

# 「世界能源論壇 2014 高峰會」簡報說明會資訊

## 一、緣起

世界能源論壇(World Energy Forum)成立於 2008 年，總部設於紐約，是一個國際性的非營利機構，成立的宗旨在於推廣乾淨和安全的能源並促進永續發展。

世界能源論壇 2014 高峰會(World energy forum 2014，以下簡稱 WEF 2014)將於英國倫敦自 103 年 7 月 21 日至 7 月 24 日，與聯合國歐盟經濟委員會合作辦理，提供各國領導人、企業和專家間透明且討論中立的交流平台。為討論能源供給的共同目標要如何在環境與經濟發展間取得平衡，WEF 2014 邀集擁有能源自然資源、技術、資本以及主要能源消費的國家領導人、企業家與專家等至倫敦參與此高峰會。

「世界能源論壇」組織創辦人暨總裁 Dr. Harold Hyunsuk Oh 將於 103 年 4 月下旬訪台，期透過本說明會與臺灣相關能源業者交流，並竭誠歡迎台灣能源相關業者參與世界能源論壇 2014 高峰會。

## 二、議程

- **時間**：103 年 4 月 28 日上午 10 時至 11 時 15 分
- **地點**：台北科技大樓 4002 會議室，台北市大安區和平東路二段 106 號 4 樓

| 時間          | 內容  | 主持人/主講人                                       |
|-------------|---|---|
| 10:00~10:10 | 報到  |   |
| 10:10~10:20 | 引言  | 李欣哲 副組長<br>(財團法人工業技術研究院綠能所)                   |
| 10:20~10:30 | 世界能源論壇與世界能源論壇高峰會介紹<br>(The World Energy Forum and the goals of its Summits of Heads of State and Leaders in Energy, Water and Sustainability)<br>a. Founding principles of the World Energy Forum<br>b. Goals and achievements of the Summit in Dubai UAE in 2012 | Dr. Harold Hyunsuk Oh<br>(World Energy Forum) |

| 時間                 | 內容   | 主持人/主講人   |
|--------------------|--|---|
|                    | <ul style="list-style-type: none"> <li>c. Goals of the Summit in London, U.K. in 2014</li> <li>d. Places / Topics for future summits around the world</li> </ul>   |   |
| <b>10:30~10:40</b> | <p><b>世界能源城市展(The World Energy City Exhibition)</b></p> <ul style="list-style-type: none"> <li>a. Gamut of concerns on energy, water and sustainability as commercial enterprises</li> <li>b. Organization of the World Energy City as foci for the exhibition of needs and solutions</li> <li>c. The arenas and promenades of the World Energy City as arena for presentations, discussion and commerce</li> <li>d. The World Energy City as vehicle for charting future direction of efforts in favor of energy, water and sustainable habitats for all peoples of the world.</li> </ul> | <p style="text-align: center;">Dr. Juan Blanco<br/>(World Energy Forum)</p>                           |
| <b>10:40~10:50</b> | <p><b>世界能源論壇目前於世界各地的專案介紹 (Current projects around the world of the World Energy Forum)</b></p> <ul style="list-style-type: none"> <li>a. Projects in the Americas</li> <li>b. Projects in Europe</li> <li>c. Projects in Africa</li> <li>d. Projects in Asia</li> <li>e. New Technologies</li> </ul>   | <p style="text-align: center;">Dr. Harold Hyunsuk Oh<br/>Dr. Juan Blanco<br/>(World Energy Forum)</p> |
| <b>10:50~11:05</b> | <b>Q&amp;A</b>   | World Energy Forum、<br>財團法人工業技術研究院<br>綠能所   |
| <b>11:05~11:15</b> | 結語   |   |

## Harold HyunSuk Oh

From Wikipedia, the free encyclopedia

**Dr. Harold Hyunsuk Oh** (Hangul: 오현석 Hanja: 吳鉉石) is a Korean-born American academic leader in New York City. He is Founder, President, and Chairman of the Board of Trustees of World Energy Forum, an international not-for-profit institution that campaigns for energy for all and sustainable development worldwide. He is Founder, President, and Chairman of the Board of Trustees of Oh Institute of New York, formerly known as New York Institute of Energy and Water, a global institution of research and advanced studies in energy, water, environment, and sustainable development and also heads the World Water Organization and the World Leadership Academy. Dr. Oh has received numerous honors and has been a frequent speaker at academic conferences and high-level international meetings especially at the United Nations in the area of energy, water, environment, and sustainable development.<sup>[1]</sup> He is publisher of World Energy Monitor and has served and currently serving in the Boards of a number of not-for-profit organizations as well as corporations.



Harold Hyunsuk Oh

### Contents

- 1 Academic Career
- 2 Earlier Life
- 3 Recent Activities
- 4 References
- 5 External links

### Academic Career

Dr. Oh serves at various universities outside of the United States which include as Honorary Chairman of China Low-Carbon Energy Institute at China University of Mining and Technology and Honorary Chair Professor of International Business at Southwestern University of Finance and Economics.<sup>[2]</sup> He taught at various universities in the United States as a full-time faculty member, including Southeast Missouri State University and the University of Charleston and as Dean and Professor of Social Science at New York Institute of Technology, and was also a Member of the Board of Trustees of Franklin University. He is an internationally recognized scholar and holds advanced academic degrees from Yale and Cambridge University including a Ph.D.

### Earlier Life

Dr. Oh was Chairman - CEO of Millennium Petroleum Co., Ltd., which had its operations internationally, including the United States, United Kingdom, Switzerland, Middle East, and Singapore. Prior to entering into business life, he served as a Christian minister for several years.

## Recent Activities

After leading several high-level international energy conferences at the United Nations, Dr. Oh chaired the Organizing Committee of World Energy Forum 2012 that was held on October 22-24 in Dubai, United Arab Emirates, where a large number of heads of states, ministers, and leaders from international organizations and private sector and more than 3,000 delegates representing 89 countries, came together under the slogan of Safer, Accessible, and Sustainable Energy for All. In Dubai, Dr. Oh proposed that energy access should be a fundamental human right of every person and proclaimed October 22, the Opening Day of World Energy Forum 2012, as World Energy Day to be annually commemorated worldwide and the representatives from 60 governments and intern- governmental organizations have signed. In Dubai, Dr. Oh also initiated Smart Energy Movement (SEM) which envisions a New Global Energy Civilization, where Energy for All shall be realized.<sup>[3]</sup>

## References

- ↑ http://wn.com/harold\_hyunsuk\_oh
- ↑ http://nyview.org/swufe-in-chengdu-china.html
- ↑ http://www.dubaichronicle.com/2012/10/10/all-eyes-are-now-on-dubai/

## External links

- The World Water Organization (http://www.theworldwater.org/)
- http://www.worldforum.org/en/
- The World Energy Forum, about (http://www.wef21.org/?q=about)
- http://www.cddep.org/show.asp?id=262

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Categories: Living people

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### Meetings

World Energy Forum facilitates meetings, including bilateral summit and ministerial meetings. For special arrangements:  
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www.worldforum.org  
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# WORLD ENERGY FORUM 2014

A FORUM FOR WORLD LEADERS



IN PARTNERSHIP WITH THE UNITED NATIONS  
ECONOMIC COMMISSION FOR EUROPE

JULY 21-24, 2014 EXCEL LONDON, UNITED KINGDOM







# WORLD ENERGY FORUM 2014



ENERGY FOR ALL

Energy is fundamental to the lives of people everywhere. The call of Energy for All should be a prerequisite to sustainable development throughout the world. World Energy Forum 2014 provides a preeminent global platform for a transparent, impassioned, yet neutral discussion among world leaders and experts. World Energy Forum 2014 facilitates new ideas, innovations, and international cooperation that can benefit all nations and peoples across the globe.

MONDAY, JULY 21

## WORLD ENERGY FORUM SUMMIT

World Energy Forum Summit will inaugurate the World Energy Forum Consortium to lead the Decade of Energy for All. The World Energy Consortium will be a supranational body, consisting of willing nations with natural energy resources, energy technology, and financial capital, which will assemble with the common purpose of providing energy for all, especially for those who are energy deprived throughout the world. Universal energy access and human well-being indeed sum up the aspirations of all nations and peoples and call for action of the highest political authority across the globe.

### OPENING CEREMONY

Inauguration of World Energy Consortium

Heads of State Addresses

Energy Security 1: Global Energy Transport

Energy Security II: Island Countries Energy Issues

Evening Gala



TUESDAY, JULY 22

## FIRST LADIES SUMMIT

The First Ladies Summit is a special gathering of the first ladies and women leaders to address global issues from a women's perspective and the empowerment of women worldwide for sustainable development.

Women and Energy  
Global Health  
Environment

TUESDAY, JULY 22

## MINISTERS AND MAYORS ROUNDTABLES

Fossil Fuel  
Alternative Energy  
Energy Efficiency and Conservation  
Green Economy  
Public Private Partnerships  
Energy for All  
Water for All  
Sustainable City and  
Disaster Preparedness

WEDNESDAY, JULY 23

## REGIONAL ISSUES INNOVATIONS & SOLUTIONS

Europe  
Africa  
Asia  
Americas  
Oil and Gas  
Renewables  
Coal  
Nuclear  
Water  
Architecture and Sustainable City

THURSDAY, JULY 24

## BUSINESS, FINANCE AND SUSTAINABLE FUTURE

CEO's Roundtable on Energy for All  
Financing Energy for All  
Next Generation Energy Leaders  
Vision of a Sustainable Future  
CLOSING CEREMONY

## OTHER HIGHLIGHTS

July 21 Gala Dinner and World Energy Awards Ceremony  
July 22-23 International Sustainability Film Festival  
July 21-24 World Energy City Pavilions and Exhibitions

# WORLD ENERGY FORUM 2014

## *Energy for All*

Energy is fundamental to the lives of people everywhere. Therefore, the call of Energy for All should be a prerequisite to sustainable development throughout the world. World Energy Forum 2014 in London provides a preeminent global platform for a transparent, impassioned, yet neutral discussion among world leaders and experts. World Energy Forum 2014 facilitates new ideas, innovations, and international cooperation that can benefit all nations and peoples across the globe.

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## WORLD ENERGY FORUM SUMMIT

Monday, July 21

Achieving an energy-secure world that can benefit all nations and peoples requires the commitments from the highest political authority and international cooperation. World Energy Forum Summit is an annual gathering of heads of state, ministers, leaders of international organizations, corporations, financial and academic institutions as well as global thought leaders under the common purpose of charting a roadmap to the humanity's sustainable future.

9:00 – 10:00            **OPENING CEREMONY**

Opening Film and Introduction

Opening Address

H.R.H. Prince Charles, Prince of Wales, United Kingdom  
(invited)

Host Country Address

H.E. Prime Minister David Cameron  
Prime Minister of the United Kingdom

European Union Commission Address

H.E. President José Manuel Barroso  
President of European Union Commission (invited)

African Union Commission Address

H.E. Dr. Nkosazana Dlamini Zuma  
Chairwoman of African Union Commission (invited)

United Nations Address

H.E. Secretary-General Ban Ki-moon  
Secretary-General of the United Nations (invited)

World Bank Address

Hon. Dr. Jim Yong Kim  
President of the World Bank (invited)

Keynote Address

H.E. President Barack Obama  
President of the United States (invited)

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10:00 - 10:20      *Break*

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10:20 - 12:20      **HEADS OF STATE ADDRESSES**

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12:20 - 14:00      *Luncheon*

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14:00 - 15:15      **ENERGY SECURITY 1: GLOBAL ENERGY TRANSPORT**

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15:15 - 15:30      *Break*

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15:30 - 16:45      **ENERGY SECURITY II: ISLAND AND LANDLOCKED  
COUNTRIES ENERGY ISSUES**

19:00 - 21:00      **EVENING GALA**

*Presentation of World Energy Awards*

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## WORLD ENERGY FORUM FIRST LADIES SUMMIT

Tuesday, July 22

World Energy Forum First Ladies Summit is a gathering of the first ladies and women leaders from international organizations, corporations, financial, academic and research institutions as well as media and entertainment. The First Ladies Summit uniquely approaches solutions to global issues including energy, water, and environment, from a women's perspective. The Summit will also address the empowerment of women for sustainable development worldwide.

9:00 - 9:30                    **SUMMIT OPENING**

Opening Address

United Nations Address

Keynote Address

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9:30 - 9:50                    *Break*

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9:50 - 11:10                **WOMEN AND ENERGY**

11:10 - 12:00               **WOMEN AND WATER**

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12:00 - 14:00               *Luncheon*

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14:00 - 15:00               **ROUNDTABLE ON GLOBAL HEALTH**

15:00 - 16:00               **ROUNDTABLE ON ENVIRONMENT**

16:20 - 17:20               **WOMEN AND SUSTAINABLE DEVELOPMENT**

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17:20 - 17:40               *Break*

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17:40 - 18:00               **SUMMIT CLOSING**

19:00 - 21:00               **EVENING GALA**

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## MINISTERS ROUNDTABLES

Tuesday, July 22, 2014

### 9:00 - 10:00 **MINISTERS ROUNDTABLE ON FOSSIL FUEL**

Despite increasing levels of investment in alternative energy sources and a more diversified global energy mix, fossil fuels continue to account for most of the world's energy production. In this session, ministers will discuss the important role of oil, natural gas and coal in achieving energy for all and the accompanying environmental challenges and ways that governments and industry are working to mitigate negative externalities.

### 10:00 - 11:00 **MINISTERS ROUNDTABLE ON ALTERNATIVE ENERGY**

Alternative energy sources are clean substitutes for fossil fuels and nuclear power. As such, alternative energy technologies are a viable solution to controlling climate change and preventing contamination of natural environments. This roundtable will discuss the benefits and drawbacks of alternative energy sources including renewables and bio fuels and will also explore some of the latest technologies and the importance of R & D investment in encouraging growth within the alternative energy industry.

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11:00 - 11:20 *Break*

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### 11:20 - 12:20 **MINISTERS ROUNDTABLE ON ENERGY EFFICIENCY AND CONSERVATION**

Energy efficiency and conservation not only decreases electricity demand and CO2 emissions, but also helps to lower costs and boost profitability. Subsequently, whether it is power plants, vehicles, electrical appliances, homes or skyscrapers, remarkable improvements in energy efficiency are proliferating across a multitude of sectors and products. This roundtable will examine some of the latest advances in energy efficiency and discuss ways to ensure that markets in all countries have access to these technologies and goods.

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12:20 - 14:00 *Luncheon*

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### 14:00 - 15:00 **MINISTERS ROUNDTABLE ON GREEN ECONOMY**

The broad concept of the 'Green Economy,' one that generates economic growth and prosperity through sustainable, carbon-neutral practices, has grown in prominence since the financial crisis of 2008. Could this ideal truly become a reality? The ministers in this roundtable will address this question and discuss ways that governments and the private sector are moving towards greener economic practices.

15:00 - 16:00 **MINISTERS ROUNDTABLE ON PUBLIC AND PRIVATE PARTNERSHIPS**

Public-private partnerships are important means to achieve safe, accessible and sustainable energy for all, especially for the establishment of long-term infrastructure assets and related services while stimulating economic activities. At this roundtable, ministers will discuss policies for public and private partnerships throughout the world.

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16:00 - 16:20 Break

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16:20 - 17:20 **MINISTERS ROUNDTABLE ON ENERGY FOR ALL**

Modern energy services are crucial to human well-being and to a country's economic development. Access to modern energy is essential for the provision of clean water, sanitation and healthcare and for the provision of reliable and efficient lighting, heating, cooking, mechanical power, transport and telecommunications services. It is an alarming fact that today billions of people lack access to the most basic energy services: nearly 1.3 billion people are without access to electricity and more than 2.6 billion people rely on the traditional use of biomass for cooking, which causes harmful indoor air pollution. This session will exemplify best practices in providing energy for all.

17:20 - 18:20 **MINISTERS ROUNDTABLE ON WATER FOR ALL**

Water supplies worldwide are experiencing a continued decline in both quality and quantity, while the global population is simultaneously increasing. Clean, safe drinking water has become a world crisis affecting hundreds of millions of lives. This session will exemplify countries that are making tangible progresses toward achieving water for all.

## **REGIONAL ISSUES, INNOVATIONS AND SOLUTIONS**

Wednesday, July 23

### **BREAKOUT SESSIONS: REGIONAL ENERGY ISSUES AND SOLUTIONS**

These breakout sessions will address regionally specific energy issues and solutions both for governments and private sector.

9:00 - 10:30 **EUROPE AND AFRICA**

Europe

Africa



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10:30 - 10:50 *Break*

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10:50 - 12:20 **ASIA AND AMERICAS**

Asia

Americas

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12:20-14:00 *Luncheon*

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### **BREAKOUT SESSIONS: ENERGY INNOVATIONS AND SOLUTIONS**

The private sector and the scientific community are continually developing new technologies and improving existing practices that are helping put us on a course for a more secure and sustainable energy future. These sessions will look into the primary resources that comprise the global energy mix - oil, natural gas, coal, nuclear and renewable - and discuss the important innovations that are being made within these areas.

14:00 - 15:30 **OIL, GAS, AND RENEWABLES**

#### **OIL AND GAS**

Petroleum and natural gas will remain vital resources in the global energy mix for decades to come. Oil is a critical component of the transportation and manufacturing sectors and natural gas is growing increasingly popular as a fuel for electricity generation, heating and vehicles. However, oil and natural gas have many critics. After the 2010 oil spill in the Gulf of Mexico, many have questioned the wisdom of deep water drilling. This session will address some of these issues as they explore the next frontier of conventional and unconventional oil and gas developments.

#### **RENEWABLES**

Investment in renewable energy such as wind and solar photovoltaic has grown rapidly in recent years. Beyond these more traditional renewable resources, there are many exciting developments on the horizon; for example, tidal power and geothermal. This session will discuss renewable energy innovations.

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15:30 - 15:50 *Break*

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15:50 - 17:00 **COAL AND WATER**

**COAL**

Coal remains one of the most significant energy sources. Affordable, abundant and reliable, coal generates energy for much of the developed and developing world and provides employment for millions globally. But burning coal also has a deleterious side; it is blamed for air pollution and emitting carbon dioxide and other greenhouse gases to the air. In addition, the coal mining industry has safety issues with regards to its workers, and the mining process can have serious environmental ramifications. In recent years, many in the coal industry are working to improve their ways through the use of clean coal technologies and better practices. This session will discuss these developments and examine the role that coal can play in a sustainable energy future.

## **WATER**

Water or more precisely, the lack of clean and abundant supplies has emerged as one of the most significant global challenges to human health, prosperity and peace. Throughout the world, in rich and poor countries, overuse of water has resulted in depleted aquifers while pollution has left many water supplies contaminated. Each year millions die from contaminated or insufficient water. This session will discuss some of these issues and ways that governments and communities can improve.

17:00 - 18:20 **NUCLEAR ENERGY; SUSTAINABLE ARCHITECTURES AND CITIES**

## **NUCLEAR ENERGY**

Following the disaster at Fukushima in 2011 many have questioned the future of nuclear energy. In the United States and Europe, the development of new nuclear reactors has more or less flat-lined, but nuclear remains a fast-growing source of power in many parts of the world, primarily in China and India. This session will discuss the prospects for nuclear energy over next several decades and describe new technologies such as small-scale modular nuclear reactors.

## **SUSTAINABLE ARCHITECTURES AND CITIES**

The built environment represents the greatest single challenge and opportunity for addressing sustainability in energy, water and socio-cultural livelihood in the world today. The current paradigm for the construction and maintenance of buildings and cities embodies an enormous carbon footprint. The built environment not only embodies the resources necessary for construction but also structures the everyday economy of its inhabitants. Once buildings and settlements were the intimate product of the regions where they stood. As such they provided livelihood for their inhabitants within an intensive sustenance economy of regional settlement which nurtured livelihood in multiple complementary dimensions. Today materials necessary to build and sustain man-made habitats require resources gathered from around the world an over extended economy of metropolitan suburban displacements which restrict livelihood. This condition has immense impact on fostering truly sustainable habitats in the world. This session will examine alternatives to the current paradigm for the built environment and will examine proposals for a new generation of buildings capable of generating energy and water for their own needs as well as the quarters about them and will also examine proposals for reinventing the suburbs and their metropolitan foci as poly focal regional cities. Together these discussions will delineate the contours of a new paradigm for a cities built on economic, ecological and energy sustainability.

# **BUSINESS, FINANCE, AND SUSTAINABLE FUTURE**

Thursday, July 24

## **8:30- 9:30      GLOBAL CEO'S ROUNDTABLE ON ENERGY FOR ALL**

CEOs of prominent corporations will address energy issues from the perspective of global business and share strategies in providing energy for all, while at the same time practicing environmentally sound business.

## **9:30-10:30      ROUNDTABLE ON FINANCING ENERGY FOR ALL**

Financing energy projects can be uniquely challenging: identifying and accessing sufficient funding for costly projects; structuring funding that repays investors sufficiently for risk that reflects the demand curve for the commodity, the local currency, and developer-specific risk while allowing profit potential for the sponsor; and allocating risk / reward incentives intelligently so that any tradable equity or bonds maintain fundamental value in the secondary market. This panel represents a cross section of constituents who participate in this process.

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10:30-10:50      *Break*

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## **10:50-11:30      NEXT GENERATION ENERGY LEADERS**

Recognizing the importance of cultivating future energy leaders, World Energy Forum has organized Next Generation Energy Leaders (NGEL) Committee. NGEL is a global grassroots movement of the next generation young leaders who come together in support of World Energy Forum's mission and, in dialogue with current generation of leaders, to contribute to energy and environmental solutions with new ideas and visions. The future of energy is now: in technological innovation, in energy markets, in new frontiers for exploration and production. This session represents a diverse cross-section of active voices driving change through political collaboration, policy initiatives and technological innovation.

## **11:30-12:15      VISION OF A SUSTAINABLE FUTURE**

This session will present scenarios for all aspects of sustainability and call for action and international cooperation.

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12:15-12:20      *Break*

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## **12:20-12:50      CLOSING CEREMONY**



The closing session will explore specific actions to be undertaken in the near-term, to build on the recommendations of World Energy Forum 2014; key topics for next year's conference will also be discussed.

Closing Address

London Declaration

The Way Forward

Next Year's Venue Announcement

Certificate Conferment