



# Innovation for Cool Earth Forum

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# 1. The Historic Paris Agreement

## Paris Agreement (2015)

- Article 2
  - 1. "...aims to strengthen the global response to the threat of climate change..."
  - (a) "Holding the increase in the global average temperature to well below 2°C above pre-industrial levels and pursuing efforts to limit the temperature increase to 1.5°C above pre-industrial levels..."
- Article 4
  - 1. "...achieve a balance between anthropogenic emissions by sources and removals by sinks of greenhouse gases in the second half of this century..."
- Article 10
  - 5. "Accelerating, encouraging and enabling innovation is critical for an effective, long-term global response to climate change and promoting economic growth and sustainable development."

# 2. What's ICEF? (1)

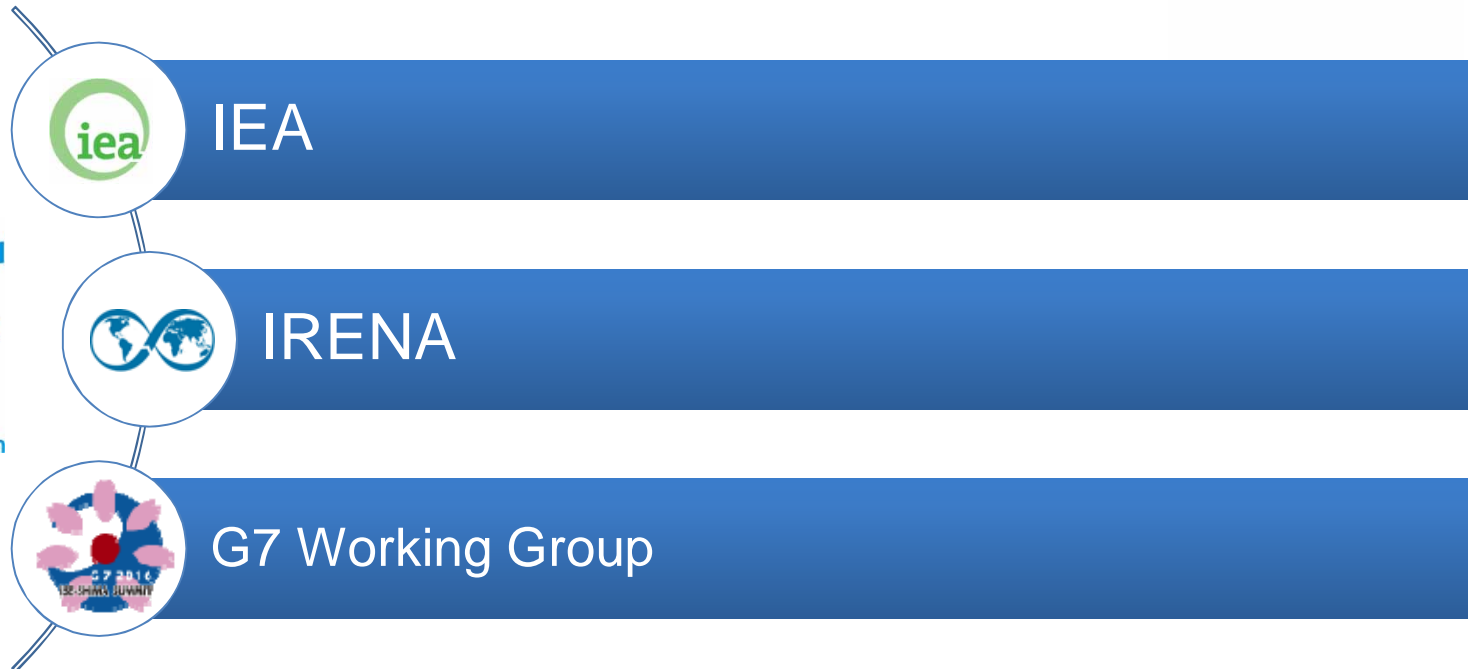
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## About ICEF

The Innovation for Cool Earth Forum (ICEF) is an annual international meeting launched based on the initiative of Prime Minister Shinzo Abe and held in Tokyo every October.



## International collaboration



# 3. What's ICEF? (2)

## Features

Annual meeting



Networking



Steering Committee

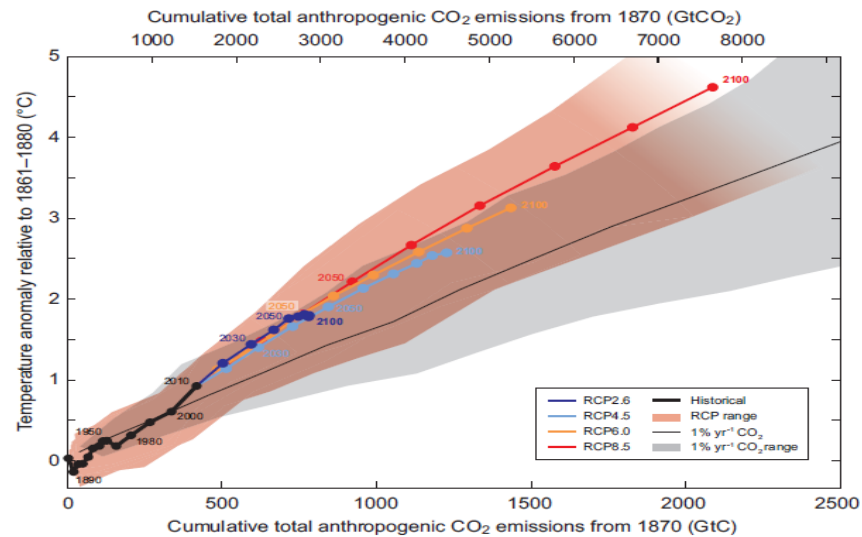


Hosts



# 4. 3<sup>rd</sup> Annual Meeting (1)

- **Date:** October 5-6, 2016
- **Participants:** 1,000+ experts from about 80 countries
- **Main Theme:** Net Zero Anthropogenic CO<sub>2</sub> Emissions





# 5. 3<sup>rd</sup> Annual Meeting (2)

## Plenary Sessions



Opening Session

First Lady Akie Abe, wife of the Prime Minister of Japan



Plenary Session (Part 1)



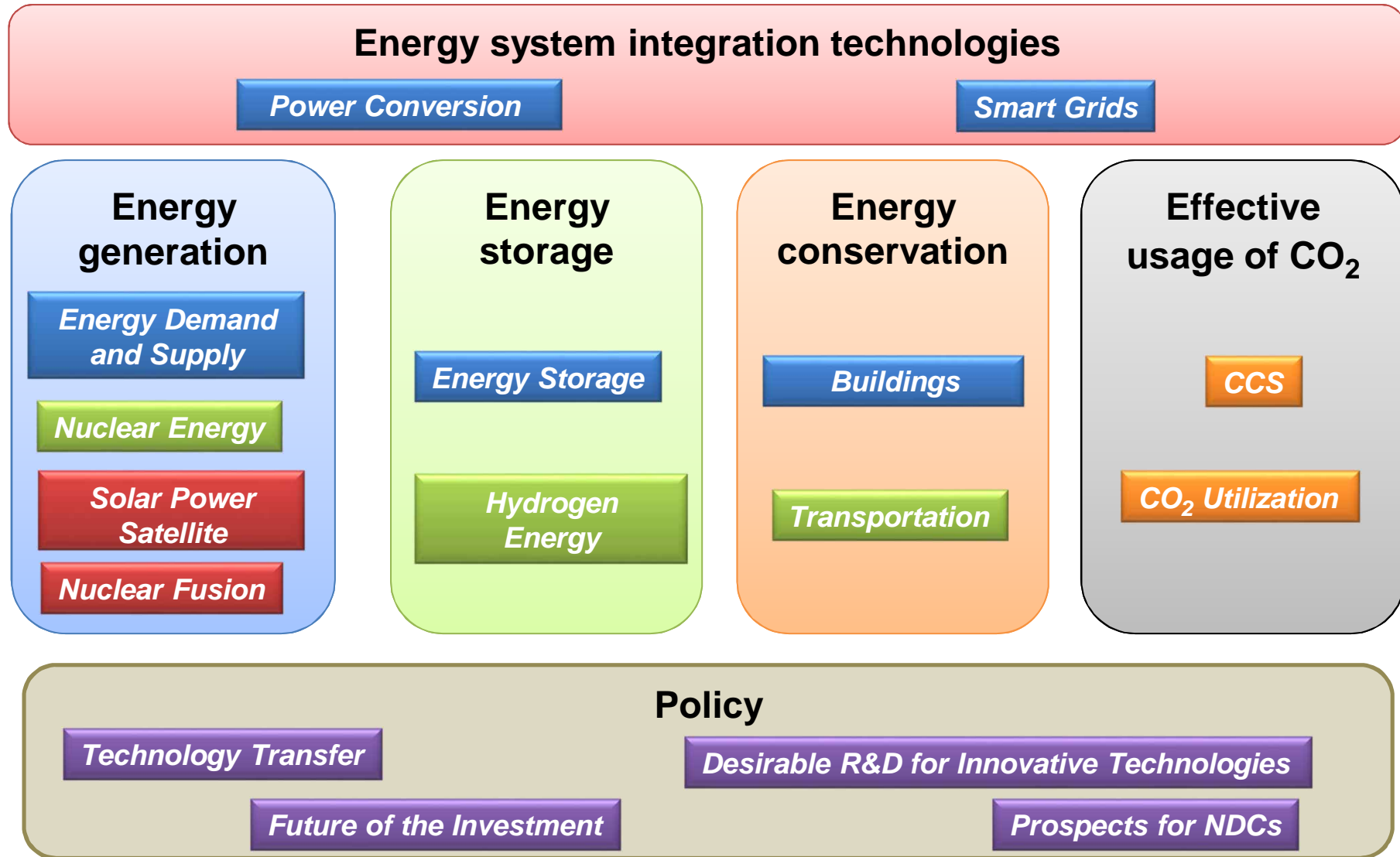
Plenary Session (Part 2)



Plenary Session (Part 3)

# 6. 3<sup>rd</sup> Annual Meeting (3)

## Concurrent Sessions



# 7. Outcome of ICEF2016 (1)

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## ICEF Statement

### Our goal

- ✓ Net zero anthropogenic CO<sub>2</sub> emissions

### Role of ICEF

- ✓ One of the best-suited platforms to discuss the long-term innovations needed to achieve our goal

### Role of public and private sectors in promoting technology innovation

- ✓ Free competition among actors in the private sectors
- ✓ Public sector's support for the long-term research and early deployment of new technology

### Need for international cooperation

- ✓ Imperative in every aspect from policy to technology innovation



# 8. Outcome of ICEF2016 (2)

## ICEF Roadmap Project



### CO<sub>2</sub> Utilization

Presenter:

Prof. David Sandalow

Current position:

Inaugural Fellow, Center on Global Energy Policy,  
Columbia University

Country: United States



### ZEB/ZEH

Presenter:

Dr. Atsushi Kurosawa

Current position:

Director, Global Environment Program,  
Research and Development Division,  
The Institute of Applied Energy

Country: Japan

# 9. Conclusion

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- ✓ **Net zero anthropogenic CO<sub>2</sub> emissions**
- ✓ **International cooperation for innovation**
- ✓ **Let's take action immediately**



**Thank you  
for your attention.**

