

Japan's Action on Climate Change

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Outline

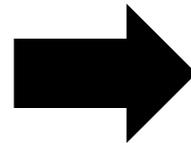
- All parts of our earth are seriously affected by global warming
- This presentation will focus on the greenhouse gas, carbon dioxide (CO₂)
- Japan's efforts to tackle global warming, based on the Kyoto Protocol
- Summary of last December's COP21 (Paris Agreement)
- Future measures for Japan



Global warming impact

Melting ice

Before (Aug, 1941)



After (Aug, 2004)

Future predictions of global warming

Reduced food production (e.g. Australian wheat)

National emissions of CO2 ①

Energy-related CO2 emissions in the world (as of 2012)

China
26.0%

USA
16.0%

Japan
3.9%

Aus
1.2%



National emissions of CO2 ②

Per capita energy-related CO2 emissions by country

Qatar
36.95

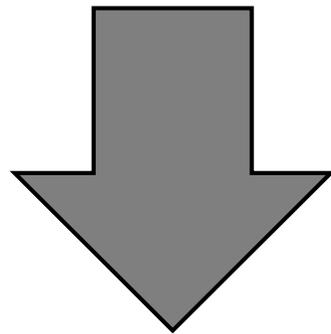
Aus
16.70

Japan
9.59

Global initiatives ①

United Nations Framework Convention On Climate Change

Adopted May 1992 with 195 signatory countries



**To strengthen
this obligation**

Kyoto Protocol



Global initiatives ②

Kyoto Protocol

- **Created in December 1997**
- **Entered into force in February 2005**
- **192 signatory countries**

Act on Promotion of Global Warming Countermeasures ①

A basic framework to combat global warming together

On the other hand, in local government . . .

Act on Promotion of Global Warming Countermeasures ②

Local governments shall implement programs for the control of greenhouse gases in accordance with the natural and social conditions of their local areas.

National campaign for the prevention of global warming ①

Cool Biz



National campaign for the prevention of global warming ②

Early Morning Challenge !



National campaign for the prevention of global warming ③

Warm Biz

National campaign for the prevention of global warming ④

Eco-Labeling

What is the eco-home diagnosis system?

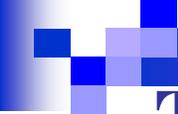
Experts analyse CO2 emissions and give advice based on each household's circumstances.

Turning point in energy policy: The Great East Japan Earthquake

Japan's Efforts after the Great East Japan Earthquake

Efforts to save energy in Japan

In 2011, 16% lower than 2010



The 21st Session of the Conference of the Parties to the United Nations (UN) Framework Convention on Climate Change (COP21)

**The final outcome was the adoption of a
new legal framework, the Paris Agreement,
12 December 2015.**



Draft commitments for major countries

Country	Determined Contributions
Japan	26% below 2013 levels by 2030
Australia	26-28% below 2005 levels by 2030
USA	26-28% below 2005 levels by 2025
EU	40% below 2005 levels by 2040
Russia	25-30% below 1990 levels by 2030
Canada	30% below 2005 levels by 2030
China	To lower carbon dioxide emissions per unit of GDP by 60% to 65% by 2030 from 2005 level
India	To reduce the emissions intensity of its GDP by 33% to 35% by 2030 from 2005 level

Japan should do in response to the conclusion COP21

Speech by Prime Minister Abe at COP21

「Actions for Cool Earth (ACE) 2.0」 : A reinforcement of Japan's contribution to climate change actions

Japan must take steps to achieve the goal of reducing greenhouse gas emissions by 26% in a planned manner

Conclusion

What Japan should do in the future

- Discuss the need for nuclear power to reduce CO2 emissions
- Enable further innovation
- Raise awareness

SAVE THE EARTH

