





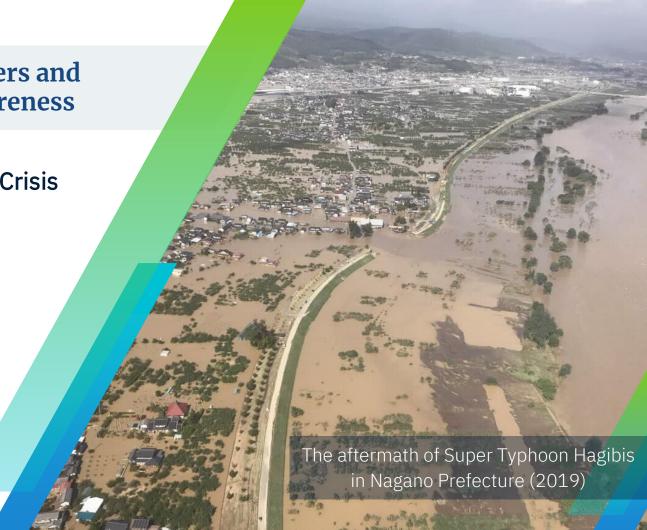
Climate Change is a Real Crisis

Super Typhoon Hagibis (October 2019)

Collapsed embankment of the Chikuma River

23 deaths, 150 injuries

USD 2.6 billion in damage



# Climate Emergency Declaration

- December 2019
- First prefecture in Japan to declare a climate emergency
- Go zero carbon by 2050



gano Prefecture is a Future SDGs City)

#### Climate Emergency Declaration "Go Zero Carbon by 2050"

Extreme weather events have been frequently affecting all parts of the world, including record-breaking heat waves, heavy minfalls and large-scale droughts. The World Meteorological Organization (WMO) has announced that the extreme weather is consistent with the long-term global warming trends.

Typhon Hagibis, which tore through Japan this October, caused massive damage to Nagano as well as many other parts in Japan. In recent years, it is said that climate change is a cause of frequent weather disasters in Japan.

Climate change threatens the survival of human society on the earth. I have an impending sense of urgency that we will not be able to hand over a sustainable society to the next generations if we sit still and fail to act on the emergency.

Responding to the Paris Agreement adopted in December 2015, the Japanese Government formulated a long-term strategy, aiming for a Zero Carbon Society as the final goal.

Nagano Profecture has spearbroaded the offorts to fight the global warming, and hosted this year's G20 Ministerial Meeting on Energy Transitions and Global Environment for Sestainable Growth. We also announced to the world an urgent call for an action on the clumate change, the Nagano Declaration on Partnership for Collaborative Action for Sestainable Development.

The international community has been stressing important roles that local governments and NGOs play in the climate change, and they expect Nagano Prefecture to lead the way.

Now is the time for us to respond to the climate change to protect the lives of future generations using two approaches: Mitigation to reduce the climate change, and Adaptation to build cities that are resilient to disasters

Therefore, we hereby declare climate emergency, and, with determination to achieve zero carbon emissions in 2050, we will unite all citizens of Nagano to promote complete profiferation of energy efficiency and renewable energy in the prefecture. We will also build a disaster-resilient region with independent and distributed energy systems, expecting sustainable development of Nagano Prefecture.

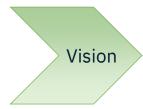
December 6, 2019

Governor of Nagano Prefecture ABE Shuichi



## Nagano Prefecture Zero Carbon Strategy

2050 Zero Carbon Action Plans Through 2030

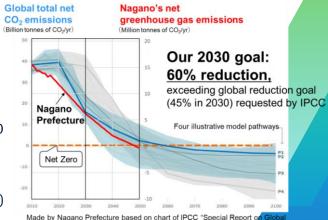


Achieving <u>sustainable decarbonized society</u> alongside <u>social change</u> and <u>economic development</u>

## By 2030

- 1. Reduce CO<sub>2</sub> by 60%
- 2. Reduce final energy consumption\* by 40% Double renewable energy production\*

\*as compared to 2010



Warming of 1.5°C" summary (Ministry of the Environment, Japan, July



## Nagano Prefecture Zero Carbon Strategy

2050 Zero Carbon Action Plans Through 2030

### **Four Priority Policies**

- Promote zero carbon initiatives using existing technology
- Convert to sustainable decarbonized lifestyle
- Support industries' initiatives toward zero carbon society
- Build autonomous energy regions for regional economic circulation

#### Six Priority Fields

Transportation, Construction, Industry, Renewable Energy, Absorption and Adaptation, Learning and Acting

## Co-creation of National and Local Governments

#### **National Governors' Association**

Decarbonization / Global Warming Countermeasures Headquarters

- Participation from all 47 prefectures
- Direction of efforts
- Co-creation with various stakeholders, governments, businesses, and citizen
- Local government initiatives own positive action



## **Diverse Stakeholders Taking Action**



A mechanism to increase solar power generation by sharing the abundant solar energy of Shinshu



Three Hakuba Village high school students present signatures to their mayor, calling for a climate emergency declaration

Thank you for your listening.