

# Japan · Finland Forest Cooperation ~towards Decarbonazation~

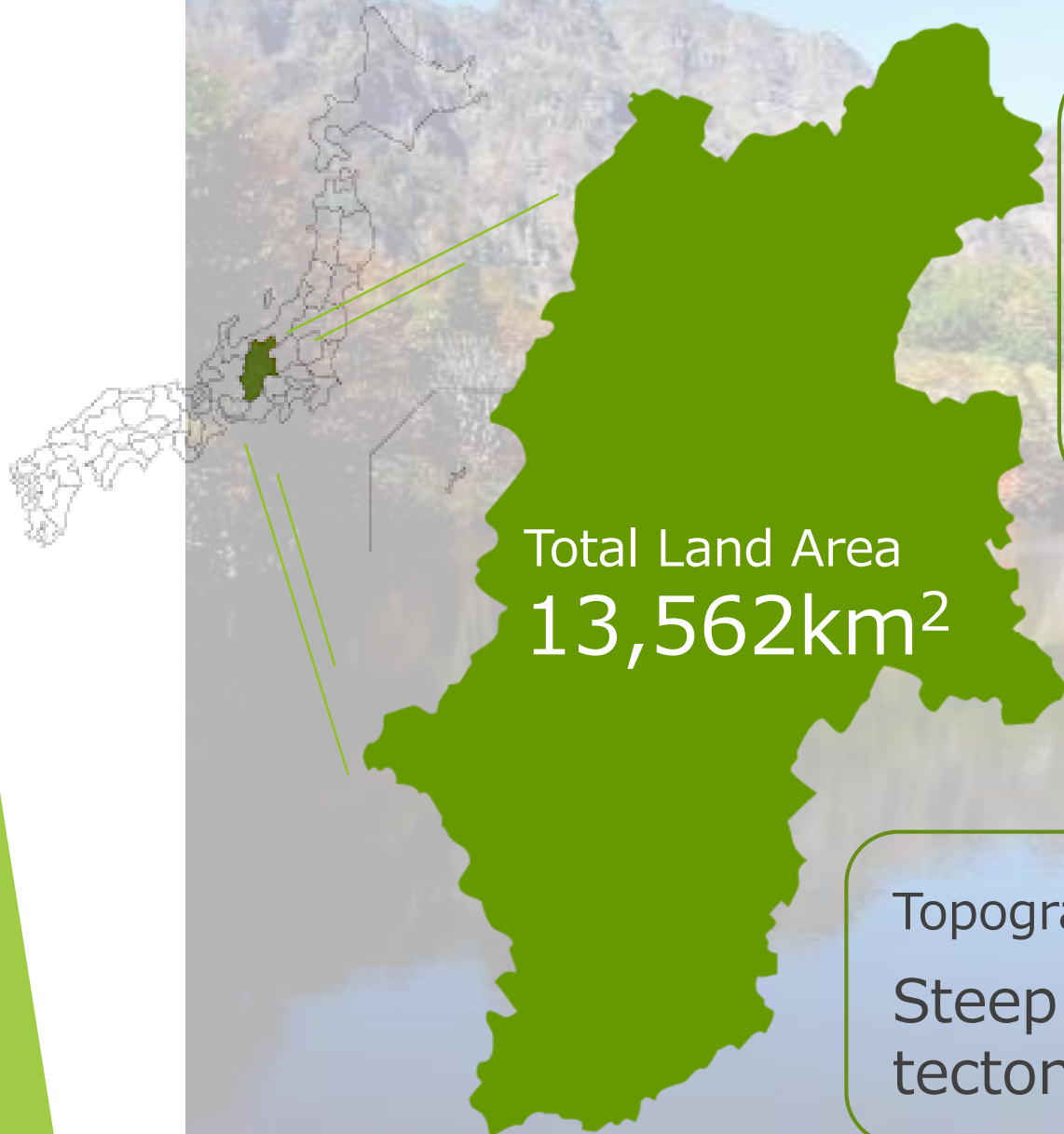


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- 1 Outline of Nagano Prefecture**
- 2 Pathway to Cooperation · Exchange**
- 3 Visit to Finland and Signing of MoU**
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# 1 Outline of Nagano Prefecture



Total Land Area  
**13,562km<sup>2</sup>**

Forest Area

**10,680km<sup>2</sup>**

Forest Coverage

**79%**

Growing Stock of  
Forest

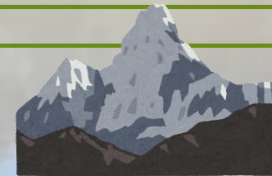
**200 mil m<sup>3</sup>**



Population (01 Oct. 2021)

**2,020,372**

Topography

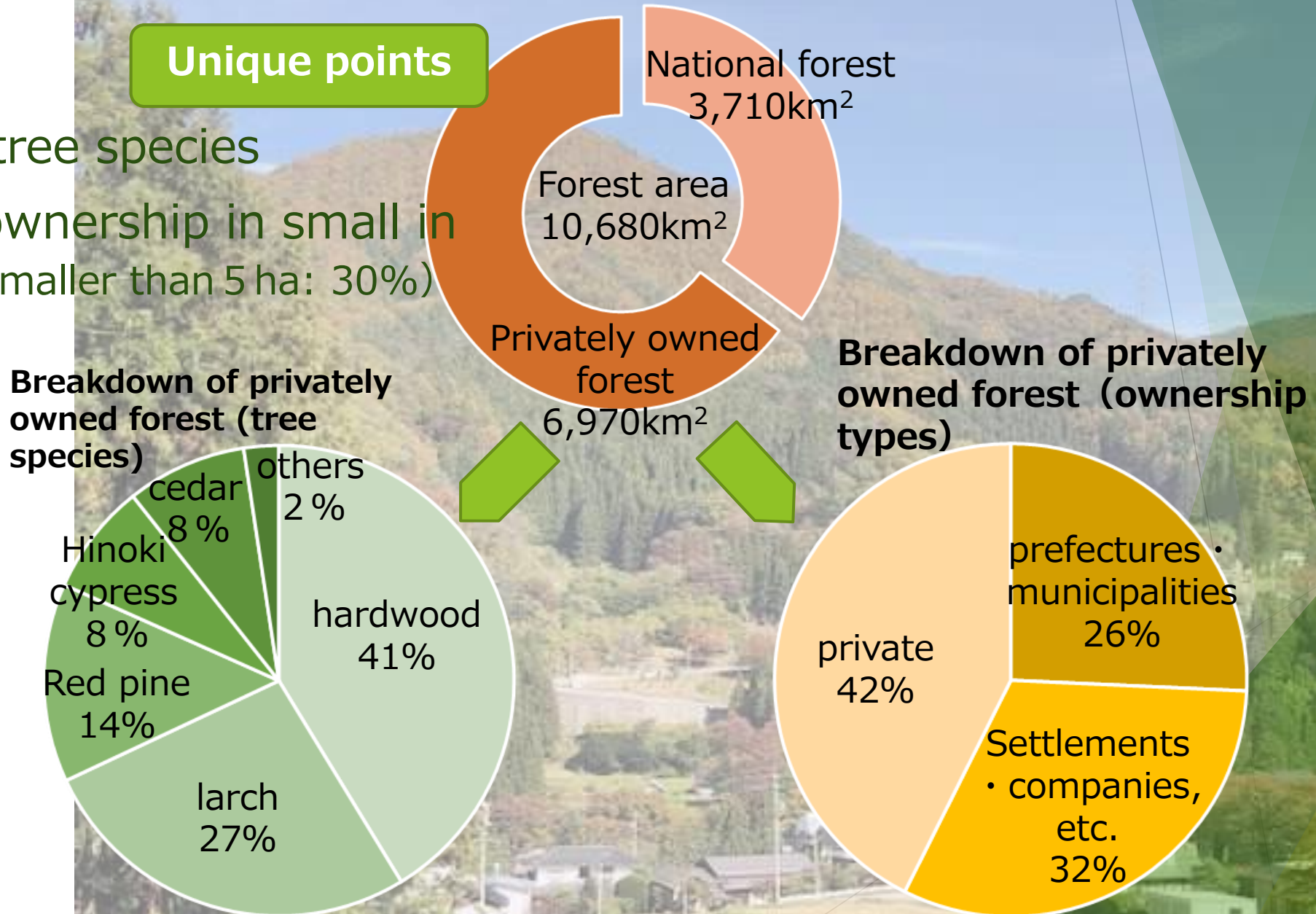


Steep terrain due to  
tectonic lines and volcanos

# 1 Outline of Nagano Prefecture (Forest)

## Unique points

- ▶ Diverse tree species
- ▶ Private ownership in small in scales (smaller than 5 ha: 30%)



## 2 Pathway to Cooperation · Exchange

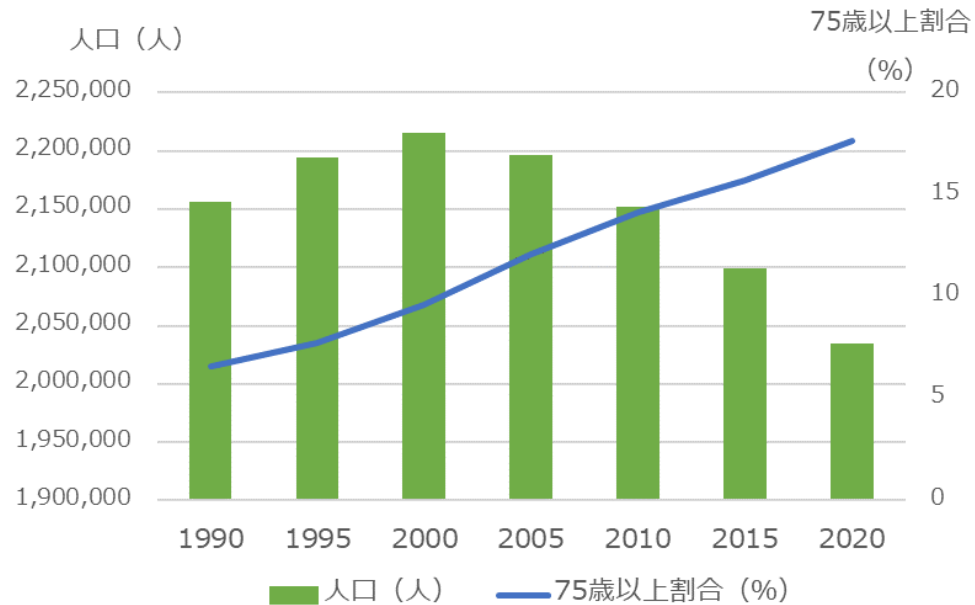
### Challenges for Nagano

- ▶ Depopulation and aging of mountain villages
- ▶ Delayed clarification of forest boundaries

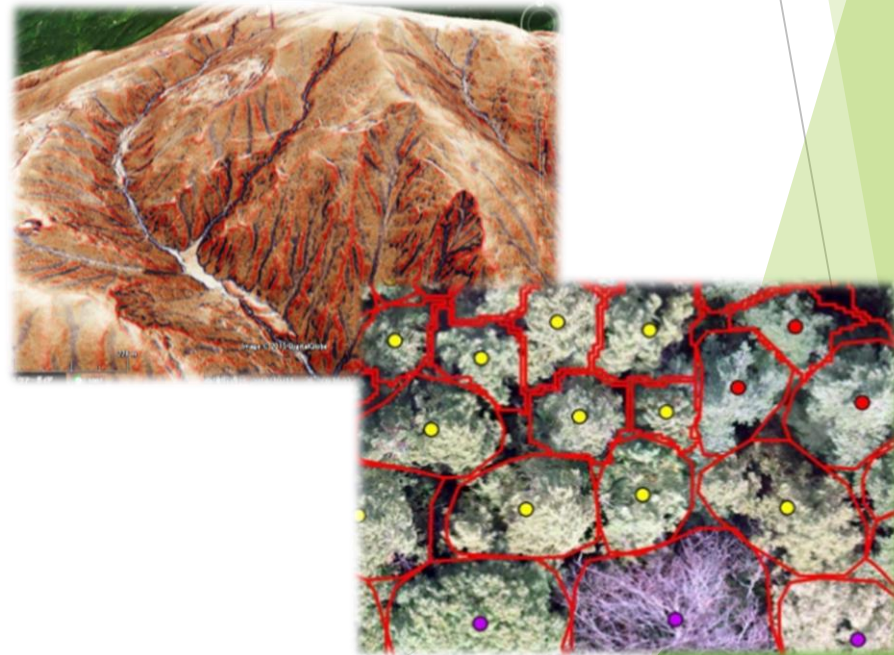


### Necessary measures

- ▶ Introduction of efficient forest management method, based on the latest technology



Nagano's total population & change of percentages of residents over 75 and older



## 2 Pathway to Cooperation · Exchange

### Challenges for Nagano

- ▶ Heavy use of plastic, scarcity of wood products in everyday environment
- ▶ Frequency of disasters due to global warming

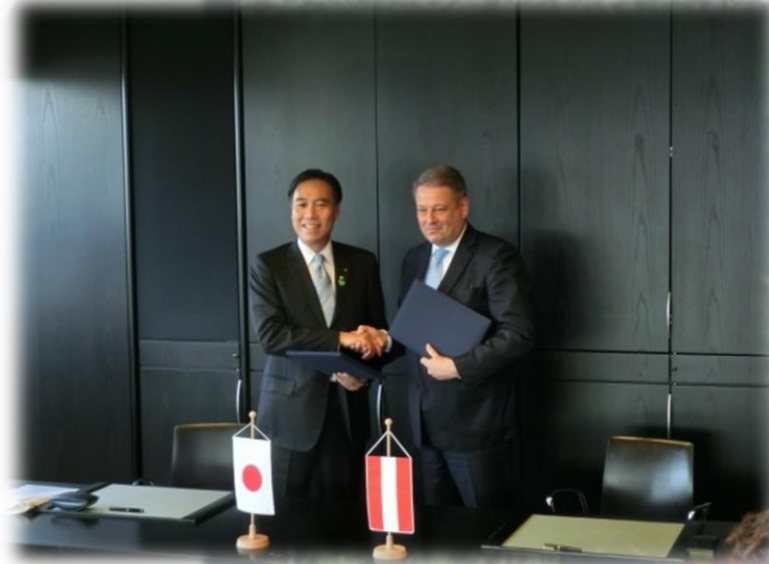


### Necessary measures

- ▶ Introduction and establishment of bioeconomy, utilizing trees and woods
  - ⇒ Regeneration of link between trees/woods and people
  - ⇒ Realization of zero-carbon



## 2 Pathway to Cooperation · Exchange



- ▶ Nagano Prefecture signed MoU with Austrian government agency on forestry in 2015
- ▶ Ever since, working on establishment of excellent technology in Nagano through exchange of engineers and introduction of forestry machinery
- ▶ In exchange activities, Finland was introduced as a country of advanced initiatives on ICT-based forest management, bioeconomy, etc.

# 3 Visit to Finland and Signing of MoU

## ◆ Technical visits, etc. in Finland (2018, 2019)



### Destinations

- Ministry of Agriculture and Forestry of Finland, Forestry Agency

- European Forest Institute (EFI)

- University of Eastern Finland, Karelia University of Applied Sciences, Lapland University, affiliated schools

- Business Joensuu

- arbonaut, Storaenso, John Deere and others



### 3 Visit to Finland and Signing of MoU

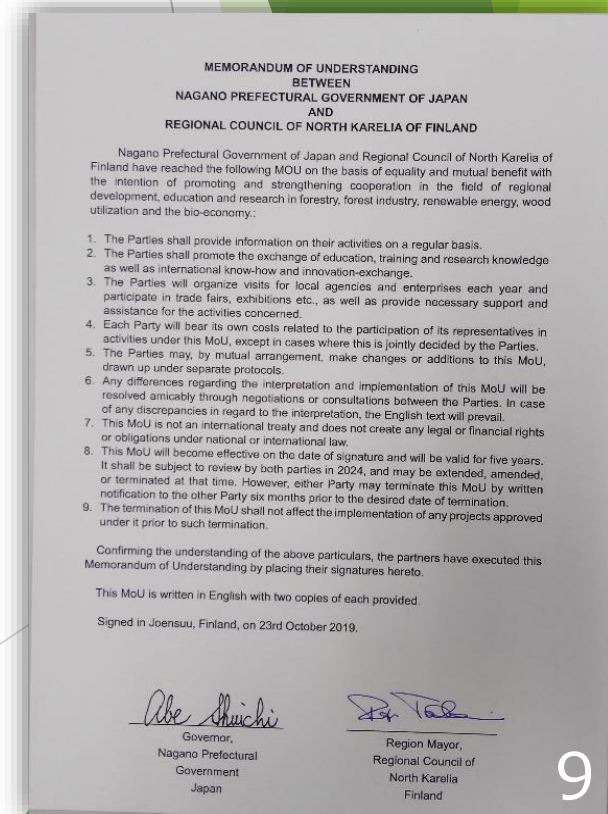
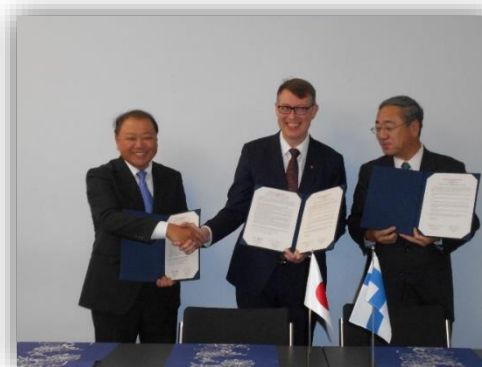
#### ◆ MoU between Nagano Prefecture and North Karelia Regio (2019—2024) Concluded in October 2019

#### Area

Forestry, forest product industry, renewable energy, timber use, bioeconomy

#### Contents

- Provision of information on activities on regular basis
  - Exchange on education, training and research knowledge
  - International technology information, promotion of innovation exchange
  - Participation in technical visits of local governments and companies, trade fairs and exhibitions
  - Provision of essential assistance and support for relevant activities
- ※Ina City of Nagano also concluded MoU with North Karelia Region



## 4 Examples of Cooperation · Exchange Activities

### ◆ Participation in Seminars, hosted by Nagano Prefecture and others

- Oct. 2021 Seminar on future wood utilization
- Expert from Business Joensuu participated in the seminar for wood use promotion as a speaker
- and introduced Finland's various usages of wood material in building and textile



日本みどりのプロジェクト JAPAN GREEN PROJECT Green Recovery プロジェクト

# WOOD CHANGE ! これからの木材活用セミナー

ゼロカーボンにつながる都市部での木材利用  
森を守って生かす森林認証材  
森林の活用と整備を目指して始まる森林環境税  
山と地方と都市を巻き込むさまざまな動きの中、  
森と木をめぐる産業イノベーションへのヒントを探る

**イントロダクション** 「これからの木材活用セミナー」の開催にあたって 12:30~12:40(10分)

**セミナー①** 建築物における木材活用のさらなる推進に向けて  
隈研吾氏(建築家)  
1954年生。1990年、隈研吾建築都市設計事務所設立。慶應義塾大学教授、東京大学教授を経て、現在、東京大学特別教授・名譽教授、国内外で多数のプロジェクトが進行中。国立競技場の設計にも携わった。主な著書に『点・線・面』(岩波書店)、『ひとの住処』(新潮新書)、『負ける建築』(岩波書店)、『自然な建築』、『小さな建築』(岩波新書)、他多数。  
12:40~13:30(50分) ※セミナー①後に会場・WEB上から質疑応答

**セミナー②** 日本みどりのプロジェクト会員事例紹介  
「森林づくりは人づくり」  
高知県穂積町森林の文化創造推進課長 立道 齊氏  
「地域材を活かす！ 皆さんの地域の身近な木材有効活用事例」  
有限会社大丸木工所代表取締役 大谷 展弘氏  
飛騨産業株式会社 コントラクト事業部長 尾崎 哲也氏  
「売上・認知度を激増させる最先端マーケティング手法について」  
シエンプレ株式会社代表取締役 佐々木寿郎氏  
13:40~14:10(30分)

**セミナー③** 公共建築物等木材利用促進法の改正とこれから~すすめよう！ ウッド・チェンジ~  
小木曾 純子氏(林野庁木材利用課 建築物木材利用促進官)  
14:10~14:40(30分)

**セミナー④** 国産材時代のサプライチェーンマネージメントの課題  
鈴木 信哉氏(ノースジャパン素材流通協同組合理事長)  
15:00~15:50(50分)

**セミナー⑤** フィンランドにおける多様な木材利用の事例  
ティモ・ターバインネ氏  
フィンランド・ビジネスヨエンスー(北カルヤラ県産業支援センター)  
森林バイオエコノミー専門家  
16:20~16:50(30分) 【同時通訳 web 出演】  
※フリーディスカッションの中でご出演いただけます。

**フリーディスカッション** 15:50~17:00  
セミナー講師(隈研吾氏除く)と会場、WEB参加者による質疑応答及び意見交換  
コーディネーター:山崎 明氏(森林経営アドバイザー)

**日時:**令和3年(2021年)10月21日(木) 12:30~17:00  
**会場:**飯山市文化交流館なちゅら 大ホール  
**参加費:**無料 対象者:自治体職員、森林・林業関係者、建築関係者等  
**会場定員:**250名 WEB参加定員:200名 (新型コロナウイルス感染症状況により、会場での参加を中止する場合があります。)

QRコード  
新型コロナウイルス感染症拡大防止対策を講じた上(受付で検温等)で実施いたしますが、当日はマスク着用の上、来場いただくとともに、体調不良の場合は、参加を控えていただきますようお願いいたします。

## 4 Examples of Cooperation · Exchange Activities

### ◆ Nagano Prefecture and educational organization of Finland plan joint online event

- Feb. 2022 Zero Carbon Conference for Students
- Environment-conscious students participate from all over the world
- Online exchange of opinions on climate change, circular economy, micro plastic, forest resources

Zero Carbon Conference for Students

HOME お知らせ English Site

# Zero Carbon Conference for Students

国際学生ゼロカーボン会議  
Zoomウェビナーにて開催！

気候変動や環境問題に関心のある長野県内の学生及び世界中の学生が集まり、意見交換を行う「国際学生ゼロカーボン会議」を2022年2月に開催します！  
会議はオンラインイベントとして開催されます。気候変動、サーキュラーエコノミー、マイクロプラスチック、森林資源という4つのテーマに分けて、世界中から専門家と学生のプレゼンテーションが行われます。


開催日時 | 2022.2.22 TUE. - 2022.2.25 FRI.  
フィンランド 10:00 - 12:00 日本 17:00 - 19:00

# 5 Outlook

## ◆ Climate Emergency Declaration-2050 Zero Carbon Resolution-

- Governor of Nagano Prefecture declared Climate Emergency after experiencing catastrophe, caused by typhoon in 2019
- At the same time, he communicated internally and externally Nagano's decision to achieve CO2 emission net zero by 2050
- Stronger promotion of efforts to realize zero carbon



  
Sustainable Development Goals  
17 GOALS  
(Nagano 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 rainfalls and large-scale droughts. The World Meteorological Organization (WMO) has announced that the extreme weather is consistent with the long-term global warming trends.

Typhoon 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 Prefecture has spearheaded the efforts to fight the global warming, and hosted this year's G20 Ministerial Meeting on Energy Transitions and Global Environment for Sustainable Growth. We also announced to the world an urgent call for an action on the climate change, the Nagano Declaration on Partnership for Collaborative Action for Sustainable 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

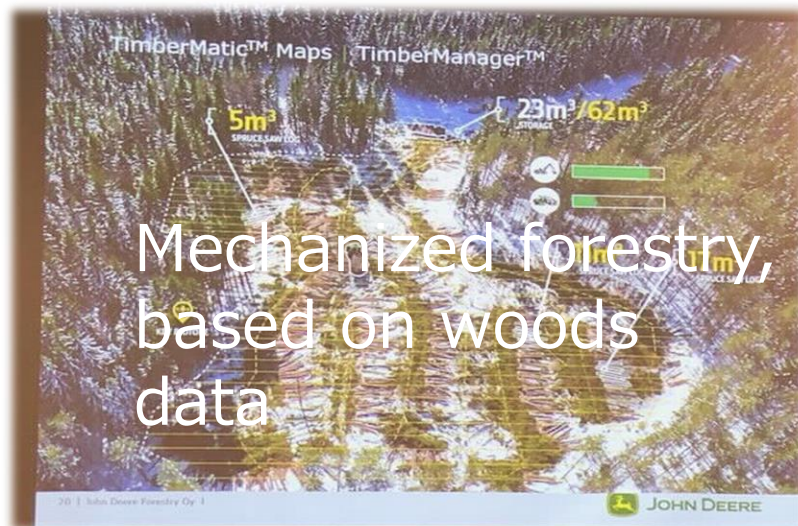
Therefore, we hereby declare climate emergency, and, with determination to achieve zero carbon emissions in 2050, we will unite all citizens of Nagano to promote complete proliferation of energy efficiency and renewable energy in the prefecture. We will also build a disaster-resilient region with independent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

December 6, 2019

Governor of Nagano Prefecture ABE Shuichi

# 5 Outlook

## ◆ Various initiatives to be materialized through collaboration



Thank you for listening.

