

# TEPCO's Measures to Preserve the Nature of Oze



TOKYO ELECTRIC POWER COMPANY

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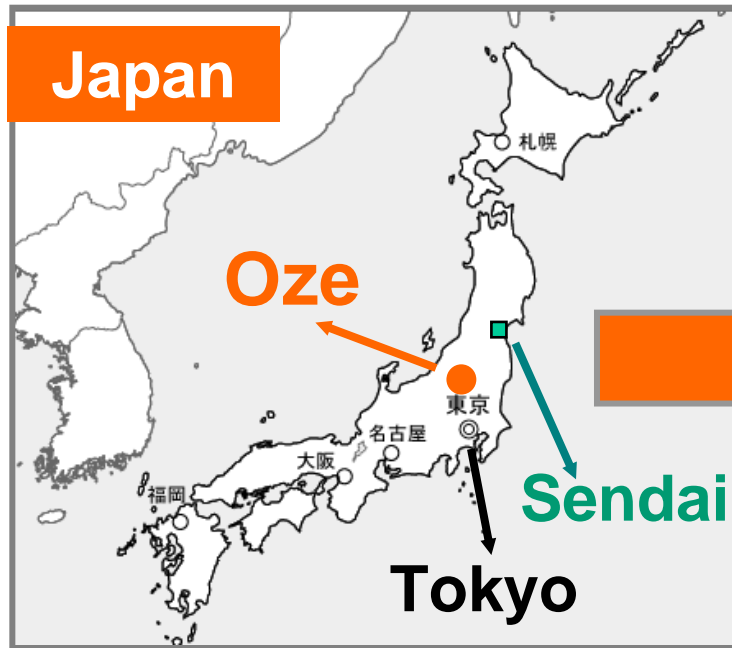
1. About Oze National Park
2. TEPCO's Involvement in Oze
3. Collaborative Preservation Management

Skunk Cabbage  
(*Mizubashou*)



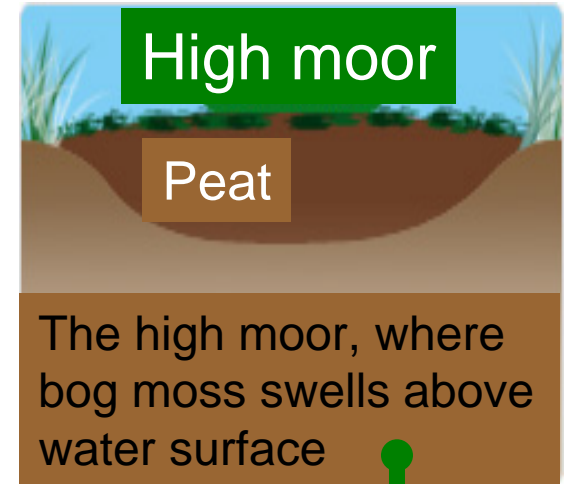
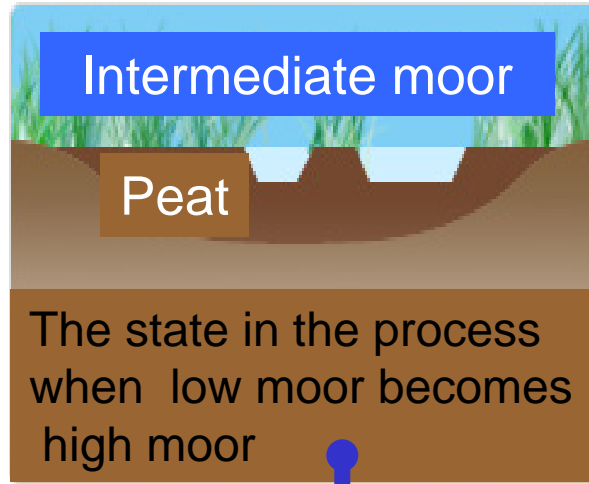
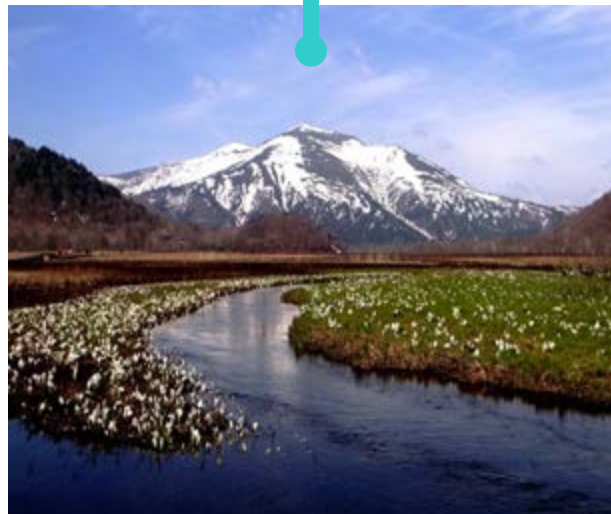
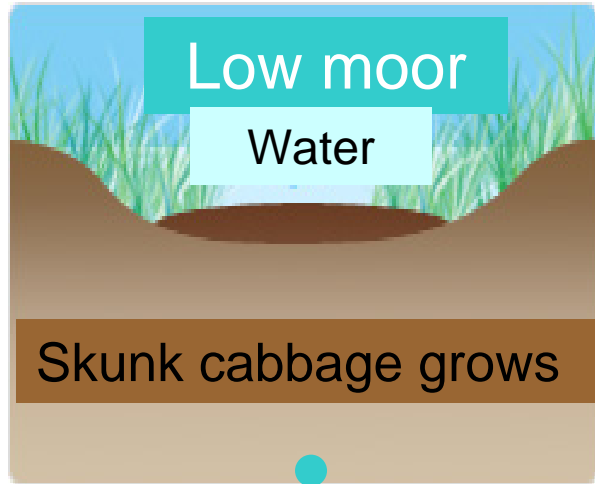
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# 1- 1. About Oze National Park - Location



- TEPCO property
- Former Nikko National Park
- Newly incorporated area
- Special Protection Zone

# 1- 2. About Oze National Park - World famous marshland



# 1- 3. About Oze National Park - Characteristics of flora



Relict species since the Ice Age;  
Sundew (carnivorous plant)



Endangered species;  
Pogonia Japonica



Southern strain;  
Lindera umbellata  
(Spicewood)



Relict species since the Ice Age;  
Edelweiss

**About 900 kinds of plants can be observed in Oze**

# 1- 4. About Oze National Park - Characteristics of fauna

The smallest dragonfly in Japan;  
Tiny Dragonfly



Inhabits Oze marshland;  
Japanese Snipe



Natural Treasure;  
Dormouse



- The existence of more than **150 kinds of birds** is confirmed in Oze.
- Oze marsh registered under the Ramsar Convention

# Four seasons in Oze (1)

Spring



**Skunk Cabbage  
(*Mizubashou*)**



# Four seasons in Oze (2)

Summer



Daylily  
(*Nikko Kisuge*)



# Four seasons in Oze (3)

Autumn



Japanese sumac  
(*Yama-urushi*)

# Four seasons in Oze (4)

Winter



Oze is deeply covered with snow in winter.

## 2- 1. TEPCO's involvement in Oze - History of Oze

Year	History of Oze	TEPCO's involvement in Oze
1903	The plan for the first hydroelectric dam in Oze was announced by the government.	
1910	A power company acquired the land and water rights at that time.	
1934	Oze area was designated as part of the Nikko National Park (the fourth National Park in Japan) .	
<b>1951</b>		<ul style="list-style-type: none"> <li>- Establishment of TEPCO</li> <li>- Received the Oze land and water rights</li> </ul>
1952	Boardwalk construction started (Fukushima Prefecture)	
1950s and 1960s	Degradation caused by hikers trampling on the vegetation	
<b>1958</b>		TEPCO started boardwalk Construction.
<b>1995</b>	<b>Establishment of the Oze Preservation Foundation</b>	
<b>2007</b>	<b>Establishment of Oze National Park (29th in Japan)</b>	

## 2- 2. TEPCO's involvement in Oze - TODEN lodge

**'TODEN Lodge' was built in the 1910s  
for weather-monitoring.**

**Former**



**Present-day**

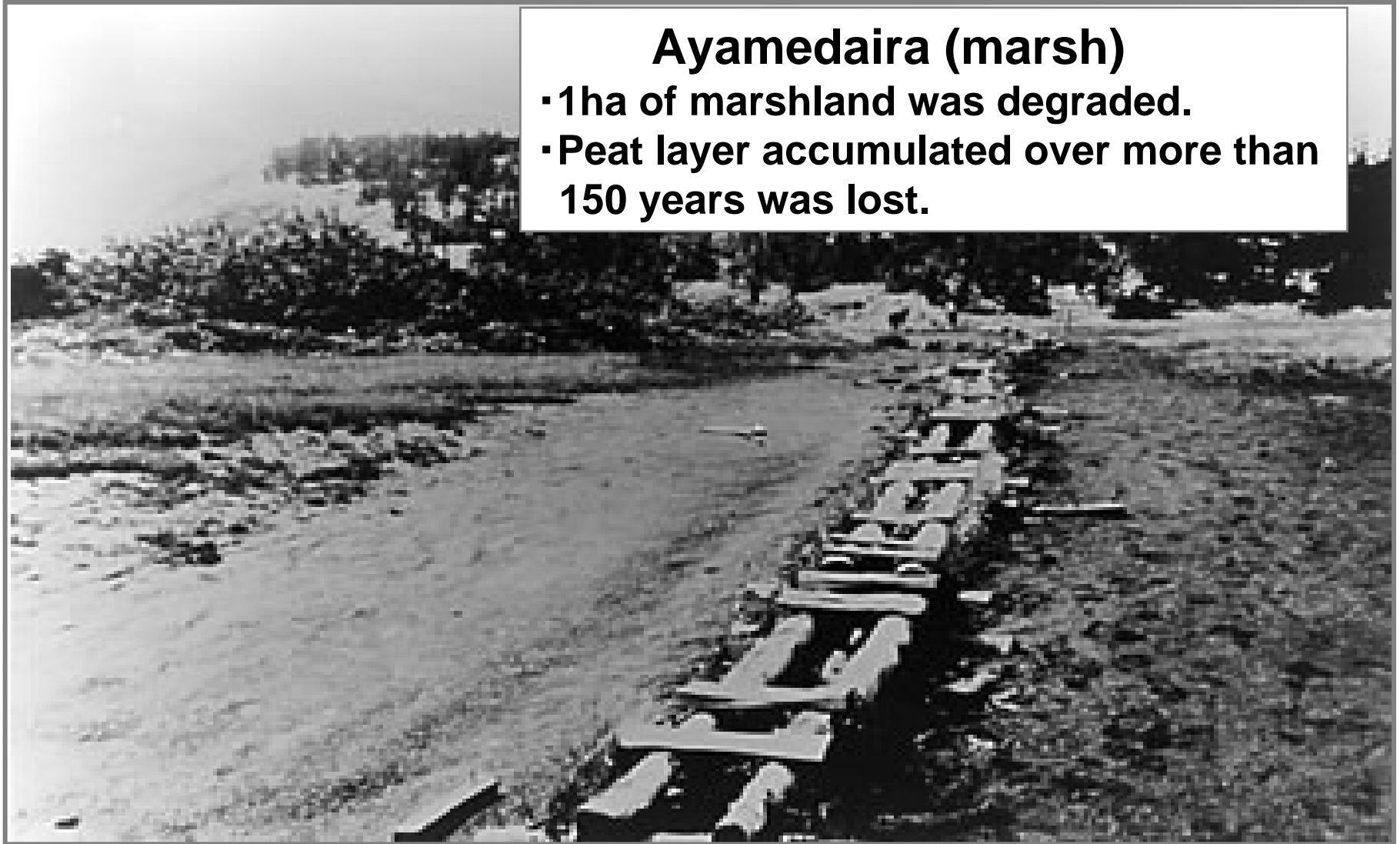


## 2- 3. TEPCO's involvement in Oze - Degradation of the Nature in Oze



## 2- 4. TEPCO's involvement in Oze - Efforts to restore marshes (1)

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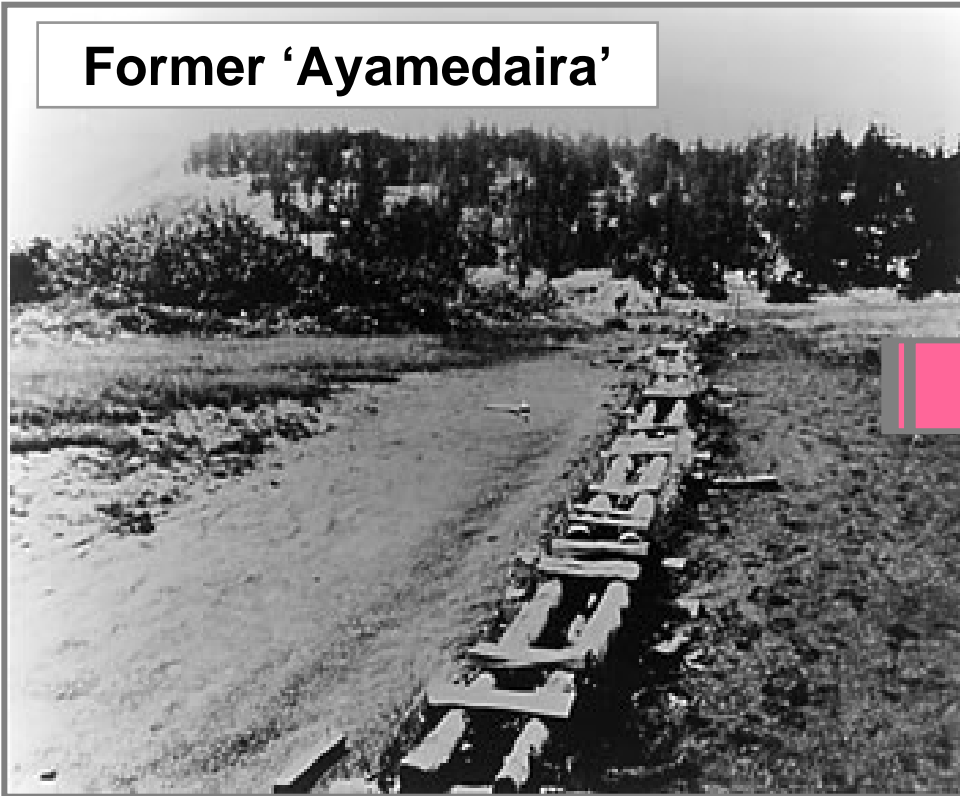


## 2- 4. TEPCO's involvement in Oze - Efforts to restore marshes (2)



## 2- 5. TEPCO's involvement in Oze - Efforts to restore marshes (3)

Former 'Ayamedaira'



Present-day 'Ayamedaira'  
(Around 90% has been restored)



Even after half a century of restoration work, there are still some places that have NOT completely recovered.

<Photo taken in Oct. 2013>



## 2- 6. TEPCO's involvement in Oze - Constructing boardwalks



Boardwalk replacement work  
on the route to Mt. Shibutsu in 2013



- Total length of boardwalks in Oze area is 65km
  - Fukushima prefecture; 33km
  - Gunma prefecture and Ministry of the Environment; 12km
- TEPCO has laid 20km of boardwalk out of those 65km.

# 3- 1. Collaborative Preservation Management - The 'Take-Your-Litter-Home' movement



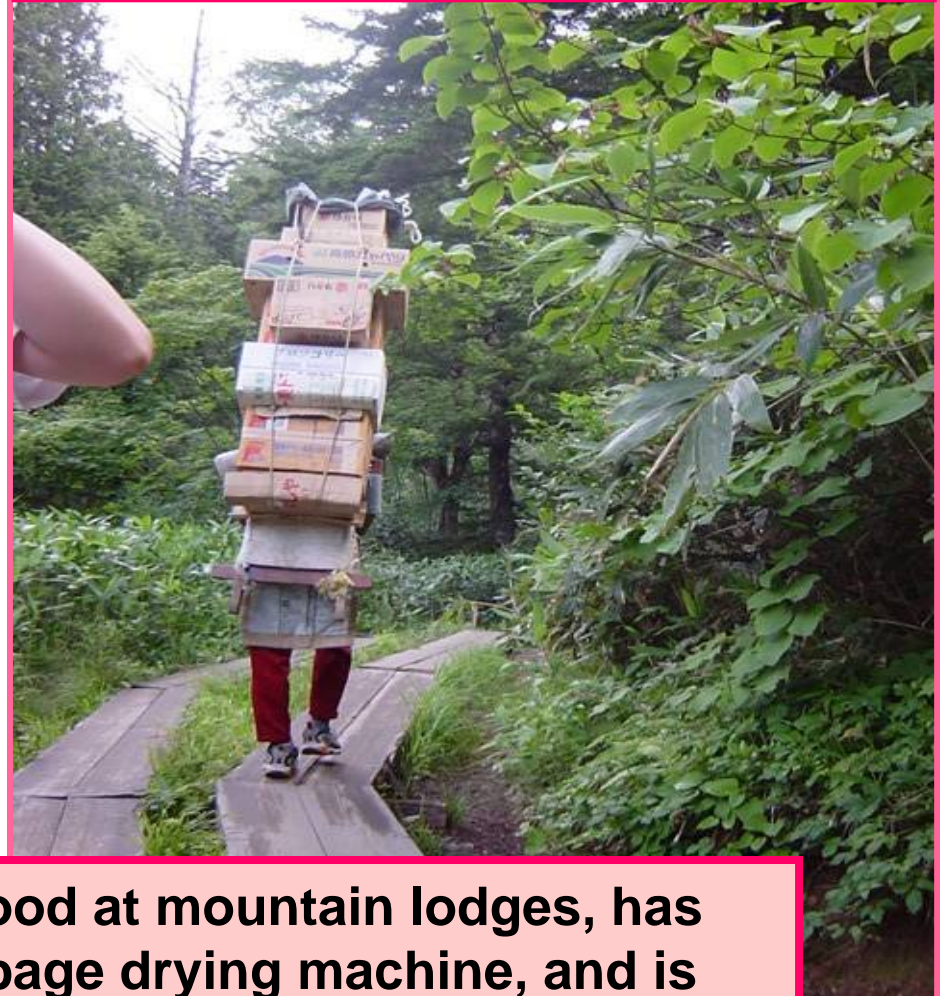
**'Let's remove waste boxes!'  
An eye-opening idea**

# 3- 2. Collaborative Preservation Management - Current garbage disposal operation

**Garbage drying machine**



**Garbage is carried to town by sherpas.**



**Garbage such as leftover food at mountain lodges, has its weight reduced by a garbage drying machine, and is then carried away by sherpas or helicopter.**

# 3- 3. Collaborative Preservation Management - Drainage measures

Combined septic tanks



Before treatment

After treatment



Photo: Gunma Prefecture

- To clean dirty water;  
Installation of combined septic tanks
- To preserve our Oze together;  
Oze visitors are asked to leave a tip at public restrooms.



A tipping system  
at public  
restrooms

# 3- 4. Collaborative Preservation Management - Restriction on private cars



# 3- 5. Collaborative Preservation Management - Preservation of the ecosystem in Oze



Endangered species;  
Ozenuma Common  
Thistle



**To preserve endemic species in Oze**



Installation of mats which remove  
seeds stuck to shoe soles to prevent  
foreign species from entering.

# 3- 6. Collaborative Preservation Management - Environment education activities



**‘People with pride in Oze should pass its beauty  
down for the generations’  
‘The Oze charter, Gunma Prefecture’**

# 3- 7. Collaborative Preservation Management - Establishment of the Oze Preservation Foundation

1995: Establishment of Oze Preservation Foundation  
2006: Development of 'Oze Vision'

2008: Establishment of Oze National Park Council



<Governors>

Left: Niigata governor

Middle: Gunma governor

Right: Fukushima governor



尾瀬サミット2013

2013. 9. 3 公益財団法人 尾瀬保護財団

Oze summit conference,  
2013



**Oze Vision**

**Preserve and Enjoy our Oze Together**

**Thank you very much**



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