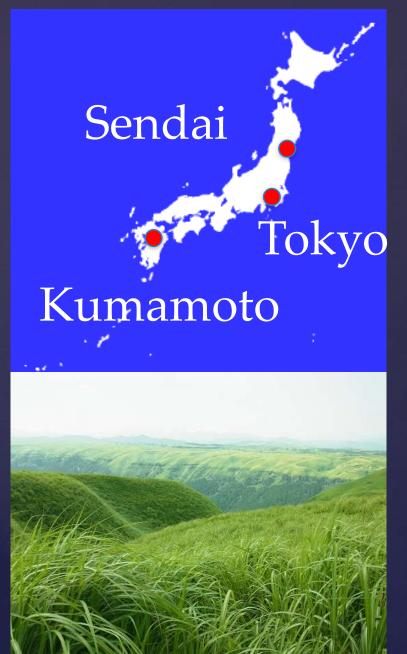
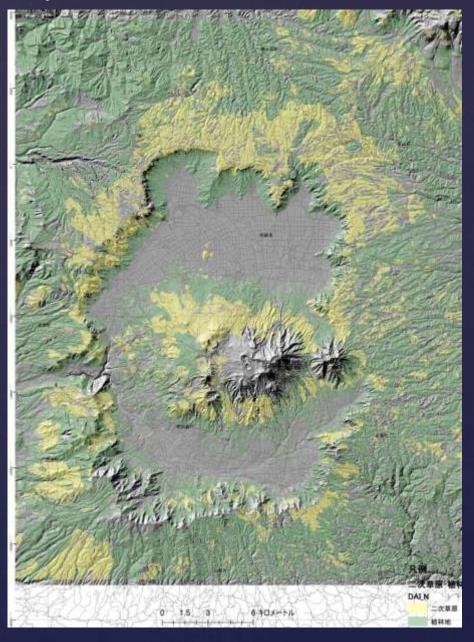
# Conservation of Culturally Valuable Grassland Landscapes in the Aso Kuju National Park in Cooperation with Diverse Related Bodies



# Overview of Aso Kuju National Park







- •The designation of national parks in Japan started in 1929.
- Aso Kuju National Park was designated as a national park in 1934.
- The fourth largest number of visitor among 29national parks in Japan.

# Traditional Cycle of Grassland Management









Controlled Burning (March)

Fire Belt Mowing (October)

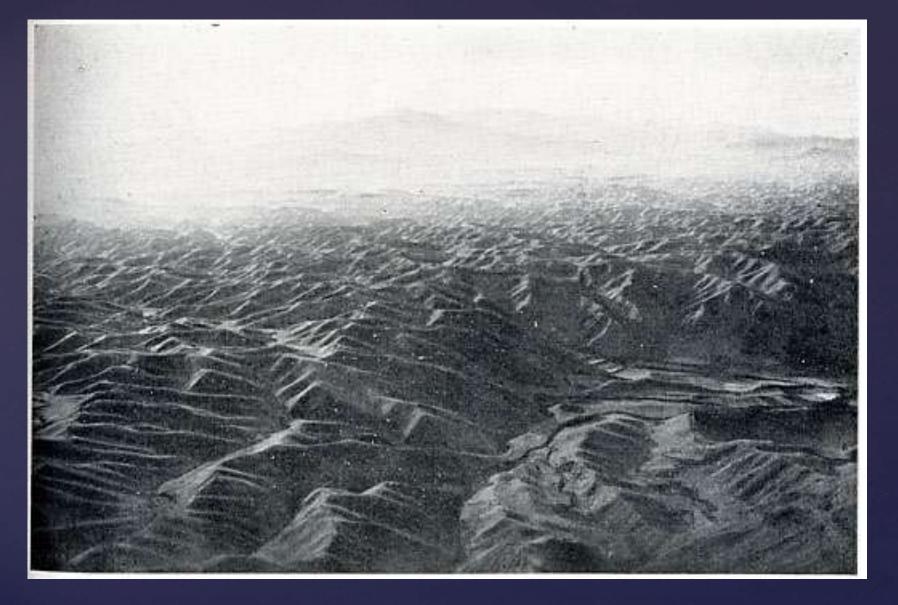


Intrusion of timber forests



Heavy Bushes

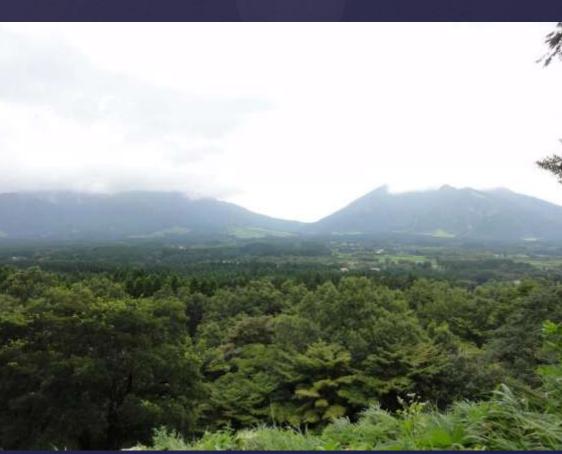
Recently, the grasslands are being neglected.



Namino (Waving Field) in 1934 (Photo: "National Park" Vol.2)

- Problem How has the change in agricultural economy influenced the national parks landscape?





# Research Subjects

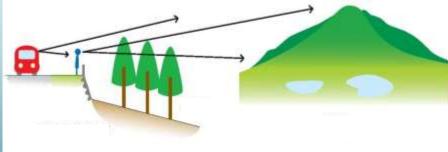
1. The Cultural Value of Grasslands



2. Solution for Sustainable Grassland Management



3. Vision for the Landscape Management in Aso



#### The Cultural Value of Grasslands

A Variety of Unique Landforms Created by Volcanic Activities



## The Cultural Value of Grasslands

# Rice Hill (Kome-zuka)



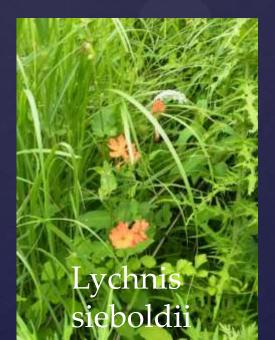


#### The Cultural Value of Grasslands



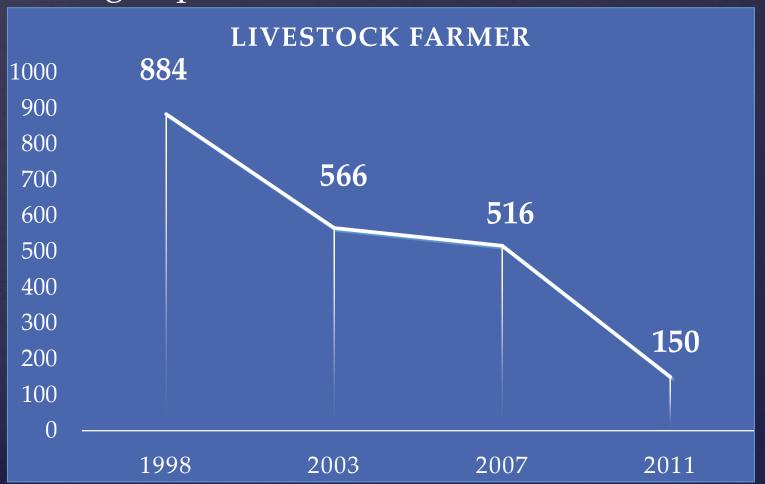
# Local Customs and Wild Flowers







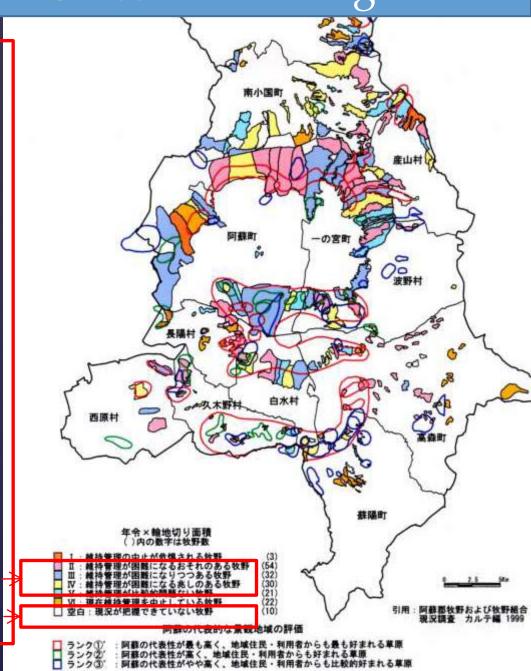
#### Decreasing Population of Local Livestock Farmers



Reference: Ministry of Environment(2009)

#### Areas with Difficult Situation for Sustainable Maintenance

- The fears for the discontinuation to maintenance(3)
- The fears for the difficulties of maintenance(54)
- The difficulties of maintenance (32)
- The indication of difficulties of maintenance (30)
- The discontinuation of maintenance (22)
- Unknown(10)



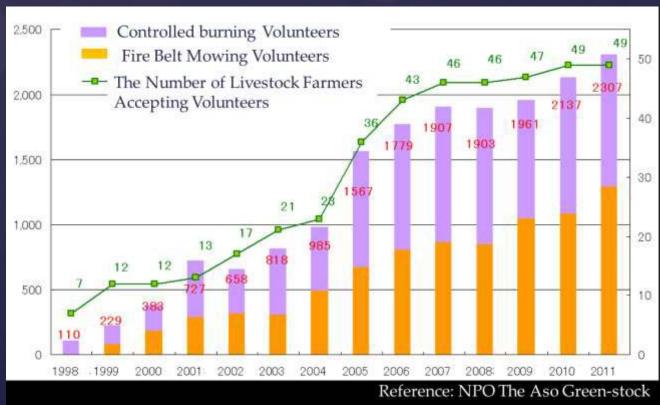


#### Aso Green Stock

1991 Article "Crises of Grasslands" on Kumamoto Nichinichi News Paper - Public Attention on the grasslands of Aso increased

1995 Foundation of "Aso Green Stock"





Motivations of Grassland Management for Volunteers

**Urban Volunteers** 

Appreciation of the Beauty of Grassland Landscapes

Local People

Rediscovery of the Value of Grasslands

# The Landscape Protection Agreement (2003)

- There are more neglected natural environment areas, just like Livestock change
  - The Ministry of Environment revised the Natural park Act.(1th April, 2003)

## Establishment of Landscape Protection Agreements



# Landscape Protection Agreements

Merit for Volunteers

 Securing Fields for Activities Merit for Local People

- Special Tax Breaks
- Secure Manpower for Management Work



## Law for the Promotion of Nature Restoration (2002)

Basic Direction for the Implementation of Nature Restoration

Local Action

Local Government NPO

Nature Conservation Committee

NPO • Local Government • Local People • Academic Experts

Master Plan

Nature Restoration Project

Conservation of Grasslands from Various Viewpoints







Agricultural Products with Certification Mark







Reference: Aso Nature Conservation Committee







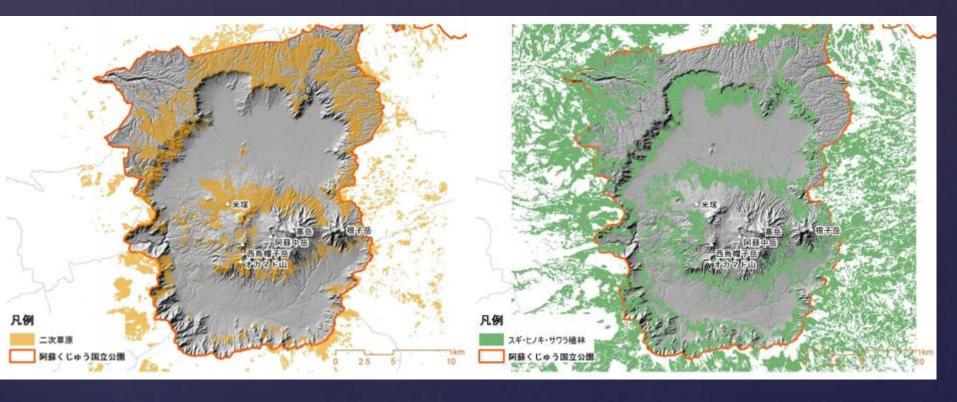
Education for Next Generation of Grasslands Management





Reference: NPO The Aso Green-Stock, The Asahi Newspaper

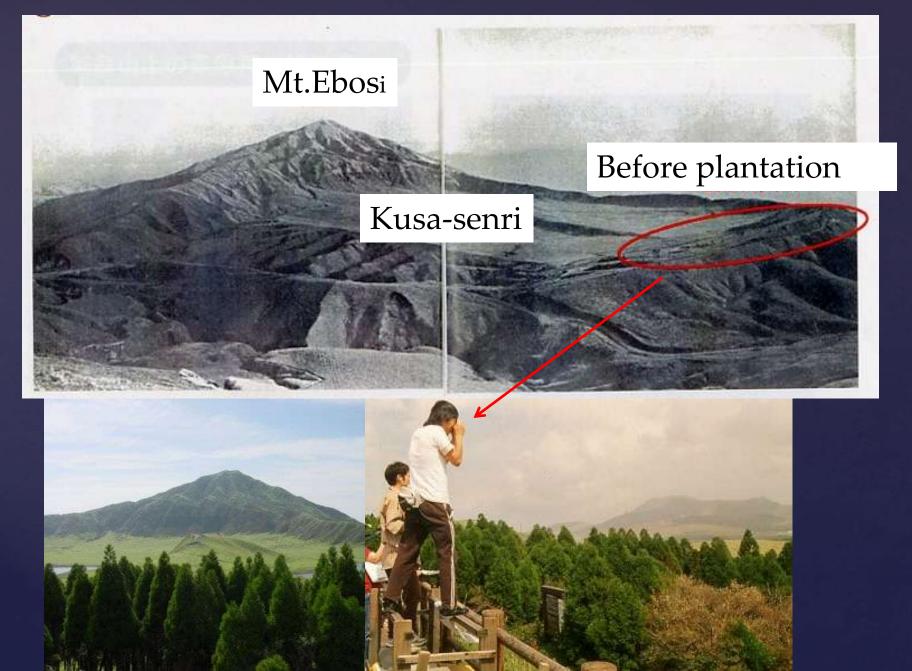
#### Land Use of Grasslands and Timber Forests



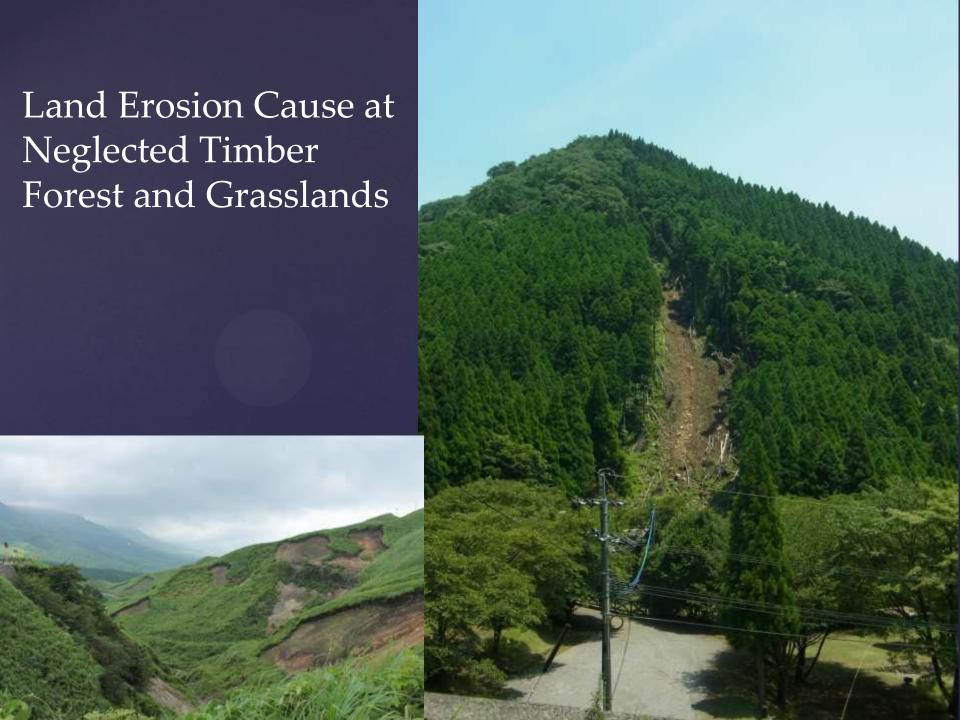
Grasslands 22,000 ha

Timber Forests 70,990 ha

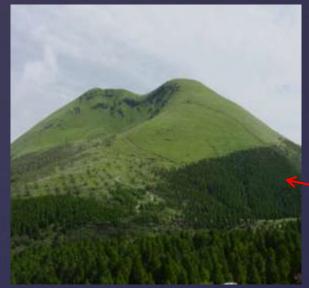
#### The View of "Kusa-Senri" in 1950s



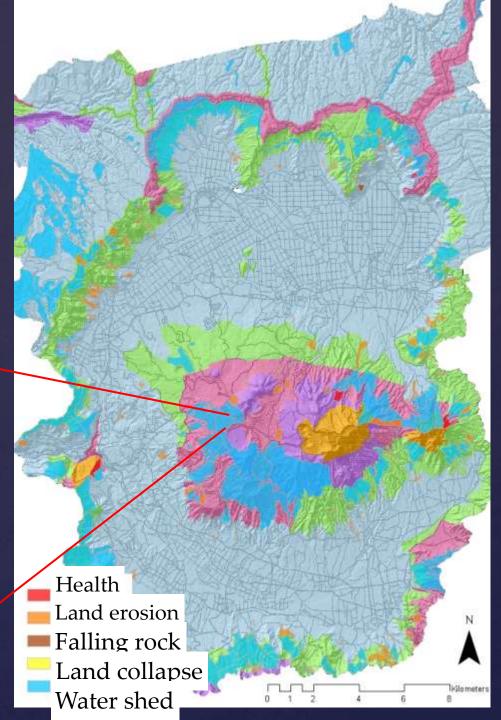




# 16,960ha of Protection Forests







#### The Objective of Grassland Restoration(Forest Removal)

# The Objective of Grassland Restoration (Forest Removal)

- Non Forest Reserved
- Economically Less Important Forest
- Forest Blocking the Fine View of Grasslands
- Forest Hindering Efficient Controlled Burning







Reference: Ministry of Environment(2009)

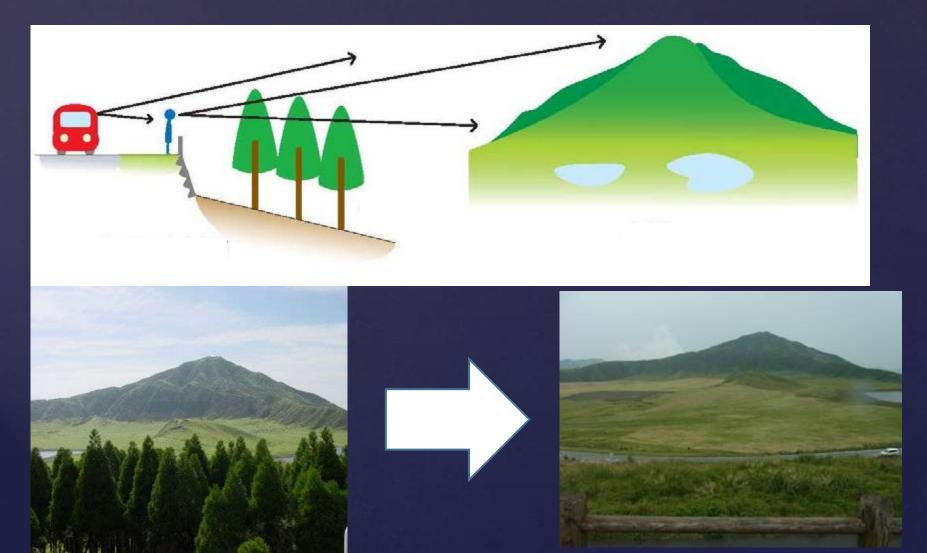
The Map of Important Areas to be Restored



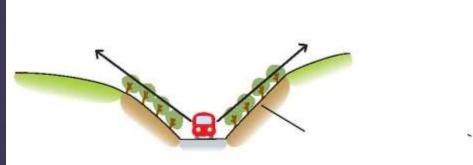




Case-① Conservation of Grasslands Observed from Major Viewpoints



Case- ② Conservation of Grasslands Areas with Unique Ridge Lines

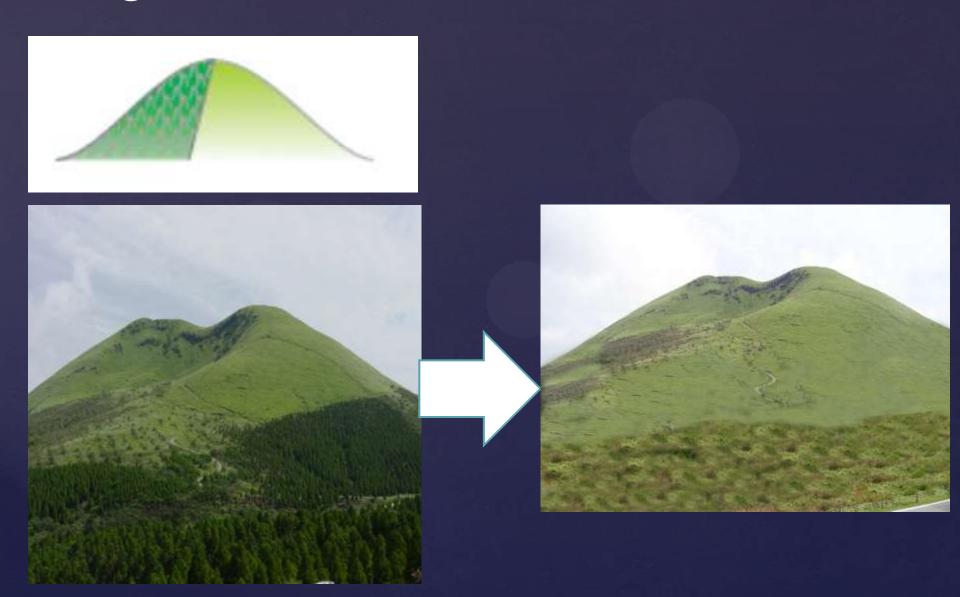








Case-③ Conservation of Smooth Hillside Grasslands



Conservation Management plan and Utilization

Promotion Plan Local

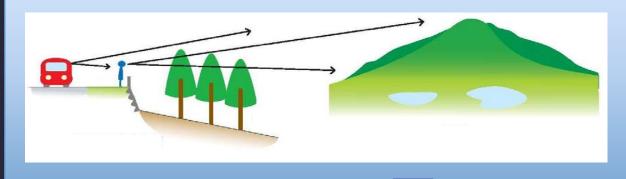
NGO

Local people Ministry of Environment Administration

Researcher

Grassland Timber Forest

The Way to Treat Grassland and Woodland



The priority of grassland types for conservation

A clear vision for conservation of grassland

Approach to reach consensus.



Thank you very much for listening.