

# Landscape Management Inducing Local Potential

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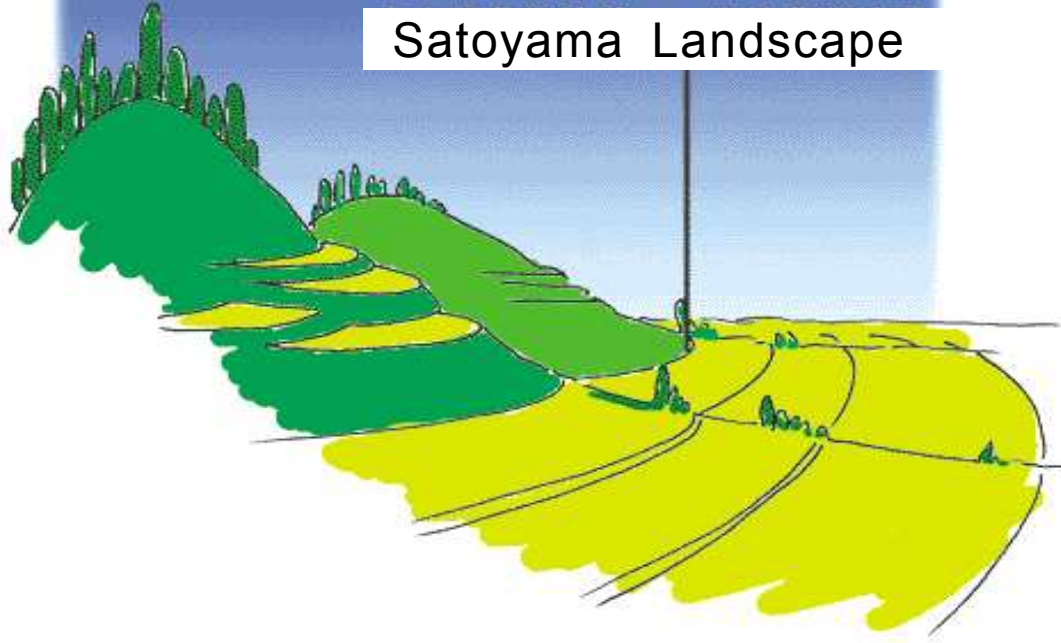
# Three introductory questions...

- ▶ Why do you think we need to sustain and manage the landscape?
- ▶ How can we live in harmony with nature without sacrificing the human activity?
- ▶ What might be the best way to live in a sustainable life?



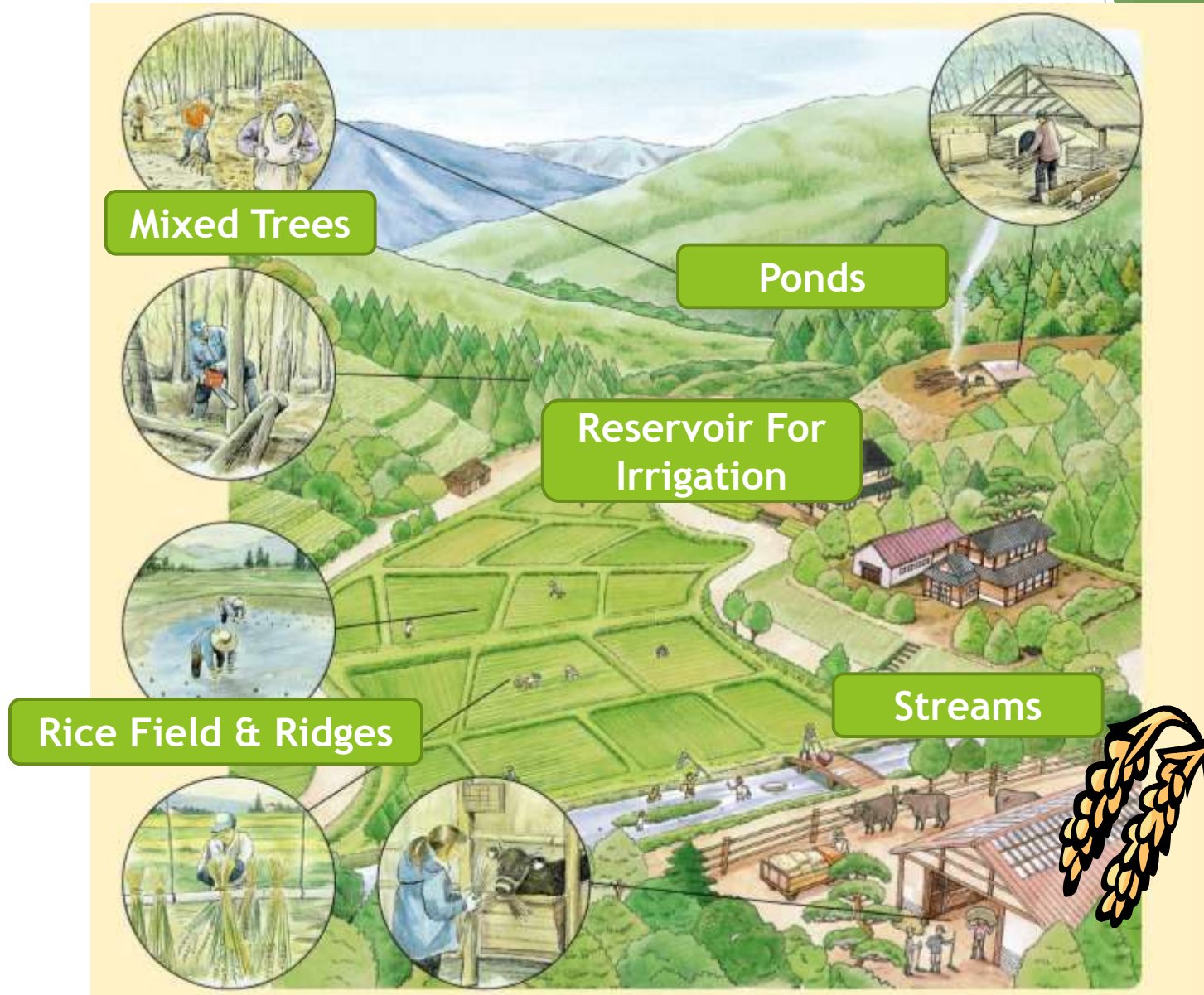
**“Satoyama” is the KEY of these questions.**

## Satoyama Landscape



Satoyama is a traditional style of agricultural and cultural landscape, which can produce not only foods, but also allows existence of various habitats for wild species.

producing process will bring up an ecosystem





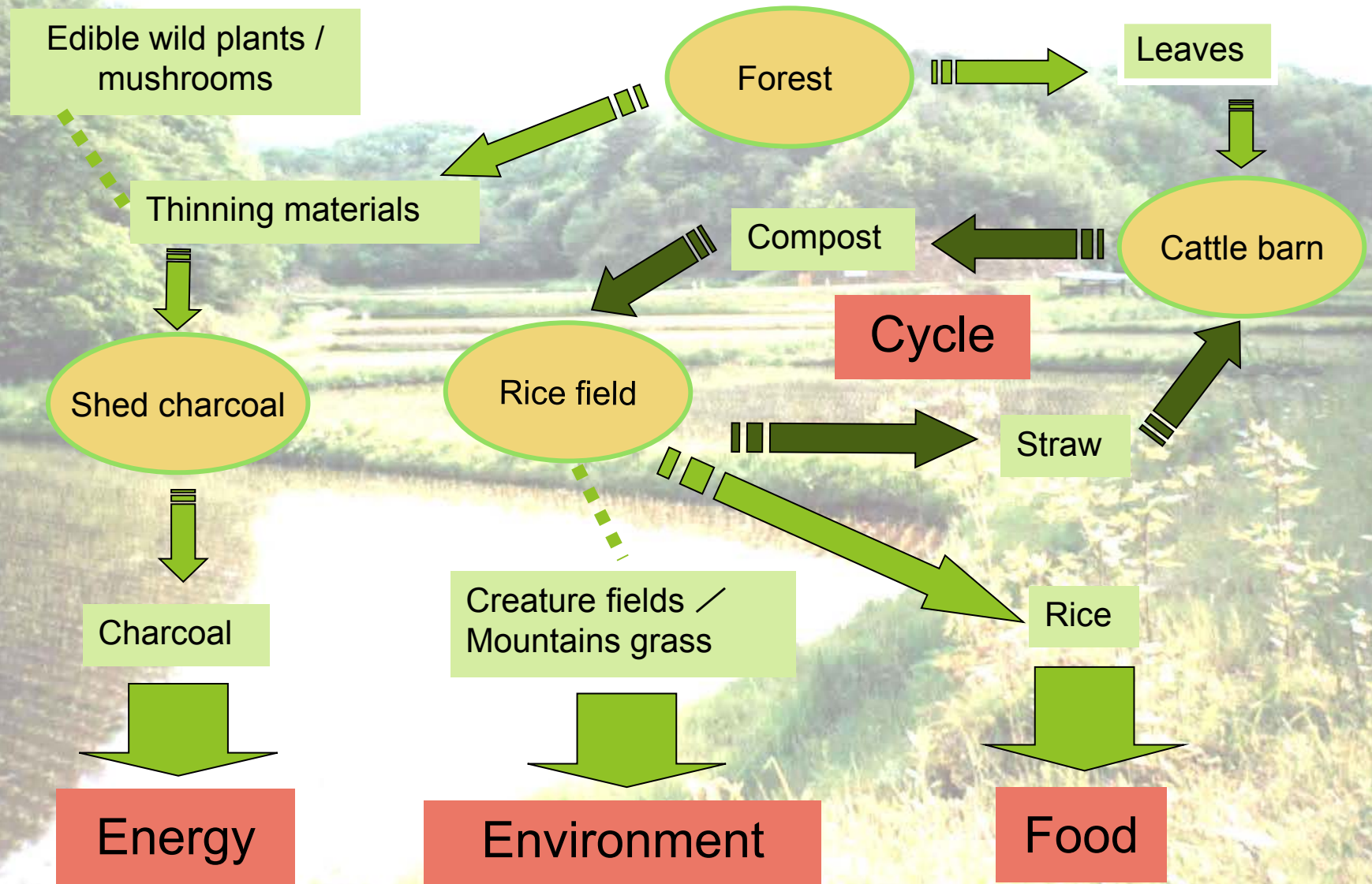
Satoyama can produce  
various landscape and  
environment



Rich Biodiversity



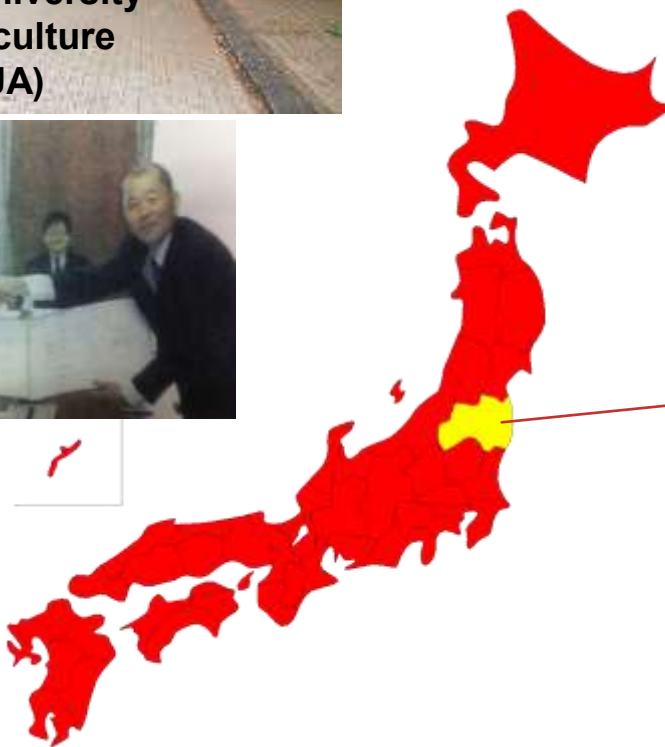
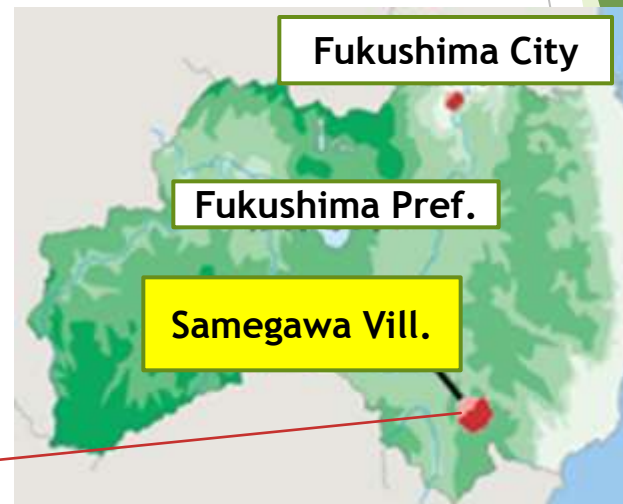
# well designed eco-friendly farming systems





Landscape of satoyama is about to ruin due to  
lack of young successive farmers and  
increase of abandoned forests and farmlands.

# Collaboration between TUA and Samegawa Village



Area: 131.3km<sup>2</sup>  
Population: 4,051 people(2011)  
Average Temp.: 10.1°C (50.2F)  
Forest Covering Rate: 58%



# Collaboration with local farmers of Samegawa



# 1. Educational program

## Satoyama Preservation Project

- ▶ Maintenance activities by TUA students
- ▶ Satoyama Landscape Park (Tateyama Park)

# Satoyama preservation Project in Samegawa 2012



**Apr. 21 composting**



**Jul. 21 weeding**



**May. 26 rice planting**



**Oct. 6 rice reaping**

Maintaining the trees



Natural oven making



Charcoal making

Satoyama Preservation Project  
"Satoyama School"

# Collecting fallen leaves



Before



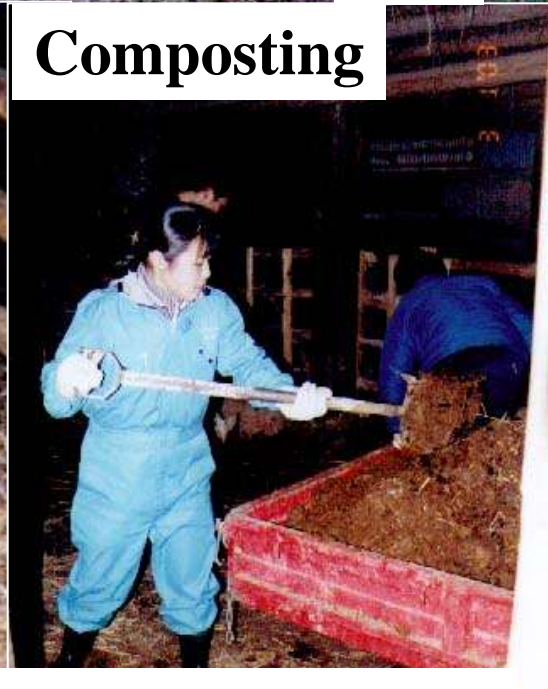
After



Spreading the leaves



Composting

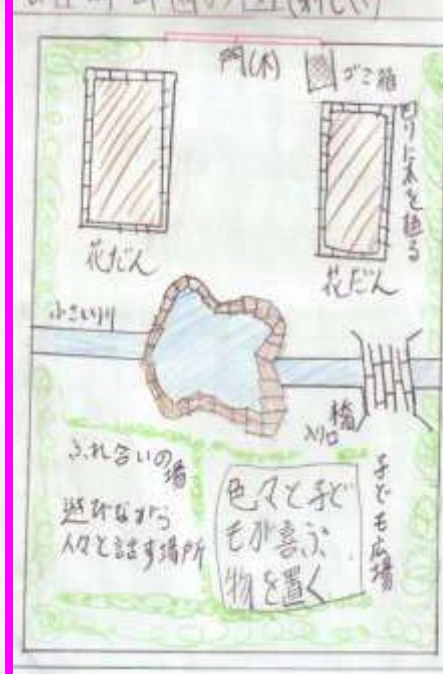
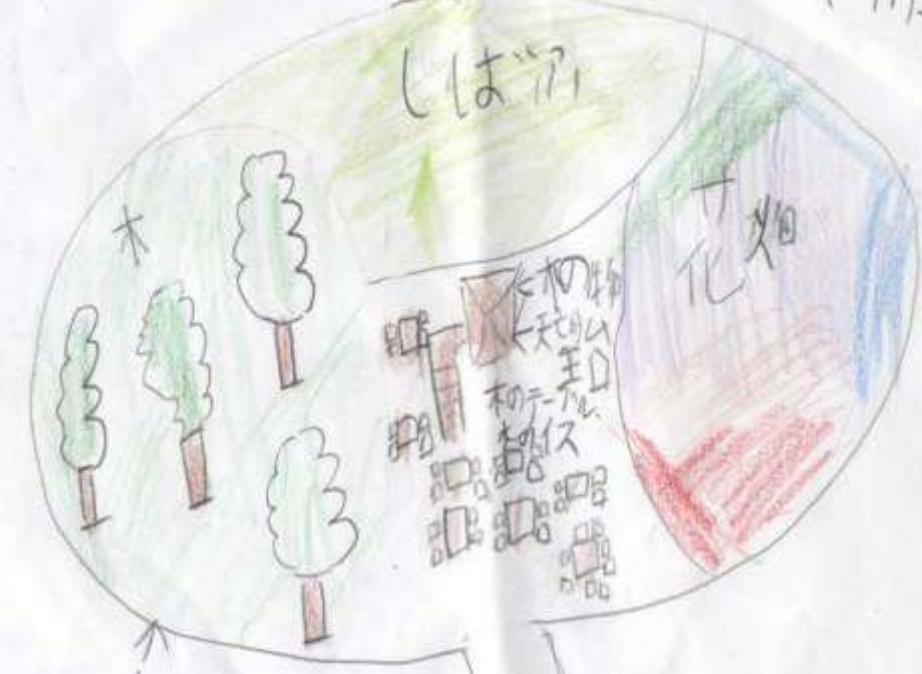


Satoyama Preservation Project  
"Satoyama School"

# Planting in abandoned farm field



**Satoyama Preservation Project  
"Satoyama School"**



ここの山公園にしたい  
 やってみたいこと  
 ビデオテープみたいに池を作って、生き物を  
 入れたい。ゴミをすてない  
 花だんを作、て花をうえる。  
 たんけんコースを作る。  
 りろにゴミ箱を置く  
 る前に自分を持つ、ているゴミを入れてから  
 る) コースは、いろいろな場所に作る



**2005 Feb. Workshop with 24 local elementary school children in Satoyama Preservation project**

2005 Nov.

# Start Planning Satoyama Landscape Park (Tateyama Park)



水と緑の散歩道



冒険遊び場



林の中に点々とみられる  
サクラ本来の生きざまの風景は、  
サクラの薄ピンク、新緑の淡い緑とスギの濃緑の  
コントラストの大変美しい里山の景観です。



凡例	
①	コナラ
②	クヌギ
③	スギ
④	ヤマブキ
⑤	コナラ
⑥	クヌギ
⑦	スギ
⑧	ヤマブキ
⑨	コナラ
⑩	クヌギ
⑪	スギ
⑫	ヤマブキ
⑬	コナラ
⑭	クヌギ
⑮	スギ
⑯	ヤマブキ
⑰	コナラ
⑱	クヌギ
⑲	スギ
⑳	ヤマブキ





**About 100 volunteering people of TUA and local inhabitants participated maintenance of Tateyama Park.**

## 2. Contribution of Research

### Temamekan and Biomass Center

- ▶ Local Production Center for local people (Temamekan)
- ▶ Biomass Center to circulate local resources



**In order to sell farm products, TUA produced a direct sales store (*Temamekan*) with local farmers, and contributed to make employees.**



100,000 visitors  
per year

A target figure of annual sales  
was 30 million yen, however...

- 2006 ... ¥45million/ year
- 2007 ... ¥70million/ year
- 2008 ... ¥86million/ year and...

**¥100million/ year**  
(2009)



**Temamekan (Local Production  
Center for Local People)**

Feces and urine  
from stockbreeder

Woods by thinning  
the forest

# Samegawa Biomass Center

Well made  
compost

Firewood

Organic  
farm  
products

Fodder



Hot Springs



Biomass Center

# Advantage of collaboration between TUA and Samegawa

- ▶ 1. Educational program
  - environmental education
  - connection between urban and rural
- ▶ 2. Contribution of Research
  - inducing local potential
  - economical sustainability within local community

Thank you for your kind attention

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