

# Instructions

## used for the CVM study of Yakushima-Island.

In the CVM, there were 4 conditions as following.

**Non CVM condition & Minimum Information Condition:**

(see page 2)

**CVM condition & Minimum Information Condition:**

(see page 3-4)

**Non CVM condition & Extensive Information Condition**

(see page 5-7)

**CVM condition & Extensive Information Condition:**

(see page 8-11)

See also Fujii, Kitamura & Suda (in preparation).

## Non CVM condition & minimum Information Condition:

Followings 2 pages include explanation about Yakushima-Island. After the explanation, you will be requested to answer simple questions. Please read carefully the following explanation.

### (1) Actual Situations in Yakushima Island

Yakushima-Island is to the south of Kagoshima prefecture. In the island, there are a lot of species, and UNESCO incorporated Yakushima Island onto its World Heritage List in 1993.

However, sightseers have been increased since the island was incorporated into the list. Due to increased sightseers, the natural environment in Yakushima Island is now being deteriorated.

For the protection of the natural environment, it is planned to construct disposal centers and trail up the mountain, and also to go on patrol to detect deterioration behaviors. In addition, afforestation in deteriorated places is also planned.

### (2) Monetary Budget for Protection of Yakushima-Island

Although sightseers are now asked for benefaction for protection of natural environment in Yakushima Island and Japanese government actually pay for the protection, **the budget is not enough** for the protection.

Consequently, the Japanese government is now planning to implement “*special one-off tax*”. The amount was determined to be **X yen per household**.

*This special one off is ,*

*1) is implemented only in next year, .*

*2) is used only for protection of Yakushima Island,(Although there are valuable natural assets other than Yakushima Island, this tax is not used for protection of natural assets other than Yakushima Island.).*

*3) It is disclosed to public how the tax is used.*

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### (3) National Survey for Determination of One-Off Tax

The government implemented **national survey** in order to determine the amount of one-off tax as described below. Based on the result, the amount was determined to be **X yen per household**.

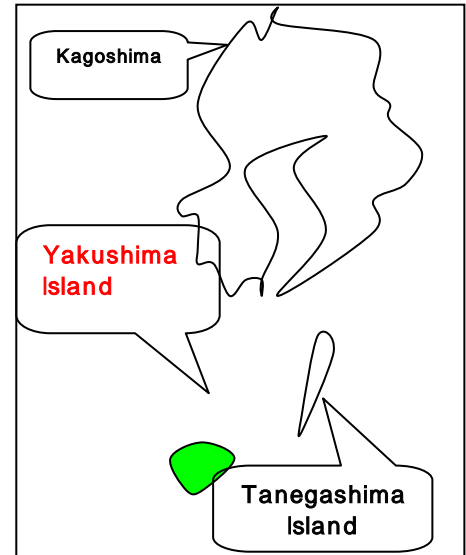
- 1) A total of 10,000 residents were randomly selected from various parts of Japan.
- 2) The Government informed each selected resident about the current situation on the Yakushima Island in detail.
- 3) The selected residents were then asked to answer the following question: “If the government decided to introduce a one-off tax to protect the natural environment on Yakushima Island, what would be the maximum amount of tax you would be willing to accept?”
- 4) The average of the responses was X yen. Based on this result, the amount of tax for a household was determined to be X yen.

**Non CVM condition & Extensive Information Condition:**

Followings 3 pages include explanation about Yakushima-Island. After the explanation, you will be requested to answer simple questions. Please read carefully the following explanation.

**(1) Yakushima-Island: The World Heritage**

Yakushima-Island is to the south of Kagoshima prefecture. In the island, there are a lot of mountains of over 1000m height, and there are over 1900 species of animals and plants including about 100 species that can be found only in Yakushima-Island (e.g, Yakushima-Deer and Yakushima-Cedar). A Jyomon-Cedar, that is a Yakushima-Cedar and is about 7200 years old, is largest cedar in the world.



**Jyohom Cedar** : 25.3 m high , about 7,200 years old, the largest cedar in the world .



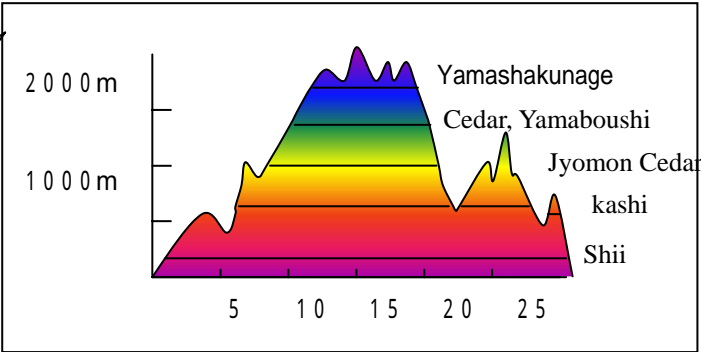
**Yakushima Deer**  
Deer that can be seen only in Yakushima Island .



**Yakushima Syakunage**  
Flower that can be found only in Yakushima Island.

This kind of island is very rare in the world because so many species can be found in a small island.

Due to high mountains in subtropical area, a lot of kinds of plants including tropical plant and alpine plant can be seen.



Beautiful Sights can be seen in many places in the island



**Wilson Scrag** A big scrag 13.8m around. Wide room inside, 20m<sup>2</sup>.



The island is famous for **Sea Turtle nidus**.

**Inala Beach**



URL :<http://yakushima.org>

Due to the valuable and rich natural environment, UNESCO incorporated Yakushima Island onto its **World Heritage List** in 1993.

**World Heritage LIST** is specially made by UNESCO for the purpose of protection of valuable natural environment. In Japan, there are only two natural assets on the heritage list.

## (2) Deterioration of natural environment in Yakushima Island

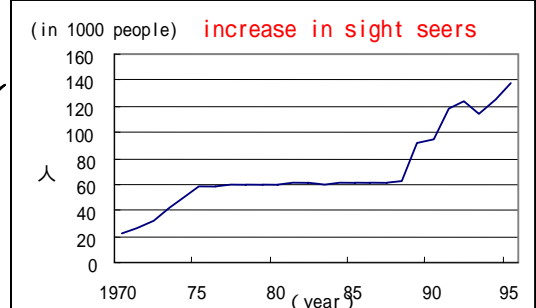
The sightseers are increasing, the number is doubled in these 10 years before and seven times in these 30 years. Due to increased sightseers, **the natural environment in Yakushima Island is now being deteriorated.**

For the protection of the natural environment, it is planned to construct disposal centers and trail up the mountain, and also to go on patrol to detect deterioration behaviors. In addition, afforestation in deteriorated places is also planned.



**17th Tree cut down Place:** Until 70's, many trees were cut down. Trees of 1000 years' old's were also cut down before.

Sightseers increased by 7 times for these 30 years.



## (3) Monetary Budgeted for Protection of Yakushima-Island

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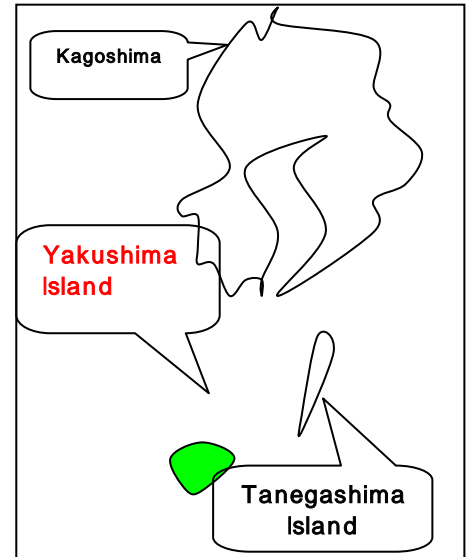
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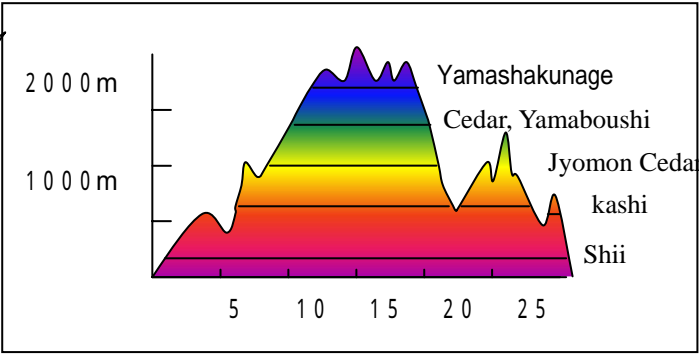


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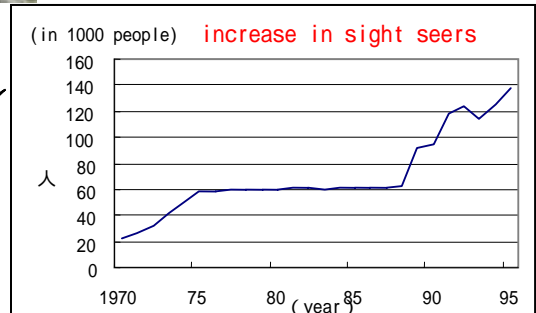
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