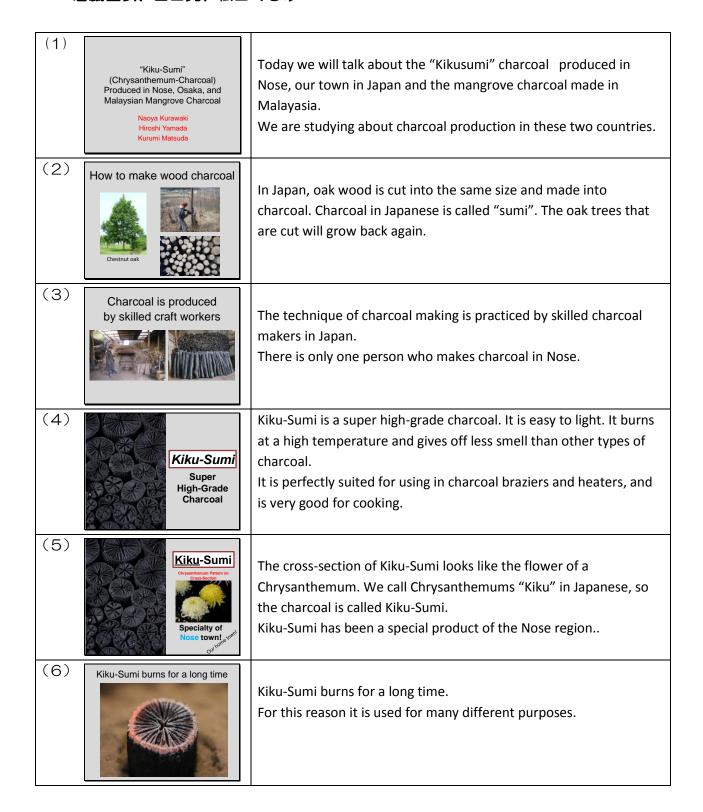
D:「能勢の菊炭とマレーシアのマングローブ炭」

~" Kiku-Sumi" (Chrysanthemum-Charcoal) Produced in Nose,Osaka, and Malaysian Mangrove Charcoal~

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(7)Kiku-Sumi and Japanese Culture Chanoyu: The Tea Ceremony Kiku-Sumi plays an important role in tea ceremony. It is used to heat the water for making the tea and is also enjoyed by the guests who admire the beautiful flower patterns it makes when it burns. (8)Charcoal is effectively used for purifying and filtering water. Uses and Benefits of Charcoal It can also control humidity by absorbing moisture in the air, and it > Purification and Filtration also releases minerals in the air. ›› Humidity Conditioning›› Releasing Minerals It has a soothing effect on people with its good smell and soft light. Healing Effect of Charcoal Also the sound it makes when burning helps to create a relaxing Smell, Light, Sound atmosphere. (9)Soap made from "Kiku-Sumi" We have a soap made from Kiku-Sumi. It contains minerals that help to moisturize and whiten the skin.. (10)Charcoal protects houses from humidity Charcoal is used to control humidity and moisture in houses. It can absorb the smell of cigarettes and pets in a room. It protects houses from insects and mold. (11)Charcoal is used for BBQ and Japanese "Sate" ("yakitori") Doesn't this look good? Charcoal is used for grilling foods such as BBQ and yakitori, the Japanese style "Sate". (12)Differences between Now, we'd like to talk about the differences between Kiku-Sumi and "Kiku-Sumi" Mangrove charcoal. (Chrysanthemum-Charcoal) and Mangrove Charcoal (13)Charcoal Kiln Sizes Malaysian charcoal ovens are made similarly to English kilns and are 3 times bigger than Japanese ovens. While Japanese ovens are compact, Malaysian kilns are big enough for people to stand upright inside..



In Japan to make charcoal, the oak trees Quercus Serrata and Querucs acutissima are generally used. In Malaysia the wood of mangrove trees is used.

(15)



These pictures show the different environments where trees for charcoal making grow.

In Japan, oak trees grow in the forest mountains surrounding villages. We call mountains in the vicinity of villages "Satoyama". These are well kept areas where other plants for food and other uses grow. In Malaysia, wood used for charcoal is taken from Mangrove forests.

Decline of Charcoal
Production in Japan
Produced in Japan Imported charcoal

This graph shows the decline of charcoal production in Japan. The red Line shows the amount of charcoal produced domestically in Japan, and the blue Line shows the amount of imported charcoal. As you can see, the amount of charcoal production is declining as the amount of charcoal imports is going up.

Most imported charcoal is made from Mangroves, and Malaysia is one of the major exporters.

(17)

Conclusion

Japan
Increase of Japanese charcoal production for a better maintenance of ignored mountains will contribute to environmental protection.

Malaysia
Prevention of mangrove deforestation and decrease of charcoal production will foster environmental protection.

As a conclusion Japanese satoyama mountains are increasingly becoming wild as domestic production decreases. And now, this rich environment is disappearing.

In order to produce a lot of charcoal, many Mangrove forests have been deforested, which is also become an environmental problem. By using more domestic production, we can prevent Mangrove deforestation, which could be one of the solutions for the environmental problem.