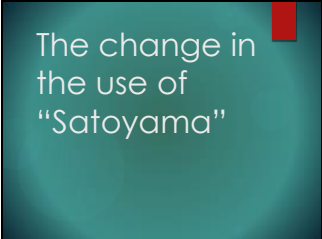
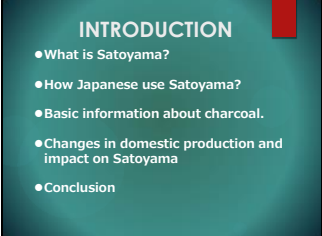



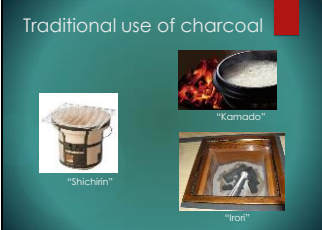


C : 「里山の利用方法の変化」


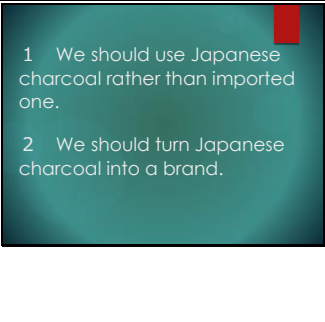
～The change in the use of “Satoyama”～

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<p>(1)</p> 	<p>Today we will talk about the The change in the use of Satoyama.</p>
<p>(2)</p> 	<p>First of all let me make a short introduction into our presentation. At the beginning we will explain you what Satoyama means and how Japanese use Satoyama. In the next section we will provide you some basic information about the charcoal. We will speak about the changes in the domestic production and its impact on Satoyama in Japan. At the end of our presentation we will propose some ideas of how to improve the domestic production.</p>
<p>(3)</p> 	<p>What is “Stoyama”? Literally, “Sato” means arable and livable area, that is a town, and “Yama” means pristine mountain. So “Satoyama” means the border zone between “Sato” and “Yama”. “Satoyama” is a kind of managed forest near the populated area and an important source of fuel and animal products,</p>
<p>(4)</p> 	<p>One of the ways to make use of Satoyama is to get timbers from it to produce charcoal.</p>
<p>(5)</p> 	<p>First, cut trees, like chestnut oak trees, into timbers in the same size. Then, pack the timbers in a kiln, and burn them for 9 days at 500 – 800 degrees. When the color of the smoke becomes bluish, release the gas inside, and cool down the kiln. When the temperature inside becomes below 100, take them out.</p>
<p>(6)</p> 	<p>In Japan of the past, charcoal was a basic necessity of life. People mainly used charcoal for cooking and getting warm.</p>

<p>(7)</p> <p>Rapid decrease in the domestic charcoal production</p>	<p>In 1970's, use of petroleum and natural gas rapidly became common, and the demand for charcoal rapidly decreased. The number of charcoal craftsmen has decreased and the domestic charcoal production has dropped to near one-tenth of its peak.</p>
<p>(8)</p> <p>Appliances supersede the charcoal</p> <p>Heater, Rice cooker, Stove</p>	<p>Instead of charcoal, people now largely rely on petroleum, gas, and electricity for their life. We now cook and get warm with such modern appliances. So, does Japanese not use charcoal today?</p>
<p>(9)</p> <p>Rapid increase of the charcoal imports</p>	<p>Actually, Japan charcoal imports have increased as if to make up the decrease of domestic production. This is partly because of leisure demand in modern lifestyle.</p>
<p>(10)</p> <p>More Japanese have come to spend more time on leisure</p>	<p>More Japanese were becoming better off, and could afford to have more leisure time and enjoy BBQ. Because of the decrease of domestic production of charcoal, the price of charcoal was getting high. Then, people began to use imported charcoal, which is much cheaper than domestic charcoal.</p>
<p>(11)</p> <p>Japan charcoal imports by partner countries</p> <p>China, Malaysia, Indonesia</p>	<p>Regarding the countries from which Japan import charcoal, China is No 1 and Malaysia is No 2.</p>
<p>(12)</p>	<p>As we have seen, if the domestic production of charcoal continues to decrease and imported charcoal increases, the number of people who take care of satoyama to get timbers for charcoal will decrease. As a result, satoyama will be neglected and ruined. Once the satoyama is neglected, many trees will become crooked and difficult to cut. Then, people will decide to abandon the satoyama. This is a vicious cycle. Furthermore, when the satoyama is neglected for a long time, bamboo could overgrow that area. Once they root, they rapidly increase and other plants can't grow at least for 100 years.</p>

IV. (2) 課題研究成果

<p>(13)</p>		<p>(Conclusion) If the charcoal production in Japan decreases and satoyama is neglected, satoyama will be ruined. And it will have a harmful effect on the ecosystem.</p>
<p>(14)</p>	 <ol style="list-style-type: none">1 We should use Japanese charcoal rather than imported one.2 We should turn Japanese charcoal into a brand.	<p>To solve the problem, we propose two solutions. First, we should choose the domestic charcoal instead of the imported one when we enjoy the BBQ. Second, we should take advantage of the high grade skills of Japanese charcoal production. Then, we build the brand to export Japanese charcoal to other countries. We think these actions will make the demand for Japanese charcoal increase.</p>