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### Study Activities of JDS in Hiroshima University

Presently, gaining energy facilities with each passing day is becoming more complex. Each year, spare supplies of energy fuel decreases but mining increases. Mankind, for the last 200 years has raised on surface and have burned an enormous amount of a hard, fluid and gaseous fuel, which was going to and kept underground for a millennium, and in some cases millions of the years. So the theory of global warming is not deprived. Many teachers and specialists of the whole world are seriously worried on the cause of the hotbed effect. Hence, there is an increasing need of the development, newer, more, safer methods for ecology of the reception to energy. For example, renewed sources to energy such as 1) solar panels for heating of water 2) solar photoelectric elements for production electricity 3) hydroelectric stations 4) windy generators 5) installations working out energy from waves (the fluctuations) 6) geo-thermal installations 7) biogas plants for producing electricity and heat etc.

The territory of Uzbekistan has many solar days. This is a big potential of the development of solar energy in our country. The purpose of my study is to have a phased development of solar energy in Uzbekistan. Nowadays, there is a necessary development of ecological clean and renewable sources of energy. These subjects do have actual - in its sphere, have solar potential but few technologies are introduced.

Uzbekistan is located in Central Asia, where at the average has 250-300 solar days, hence, we have a big potential to develop solar energy. At present, Uzbekistan spares big attention in the development of solar energy but does not cover daily rising demand for energy. European Union countries, the US, Japan, China and India have had the greatest success in using non-traditional renewable energy sources.

Now in Hiroshima University, we are studying renewable technologies and environmental affects from artificial activities, global warming and green house gases (GHG). I am particularly interested with solar energy sources, which are environmentally friendly and in my opinion, one of possible main energy sources in the future.

Our sub-supervisor, Prof. Higashi Osamu presented on the governmental cooperation between Japan and Uzbekistan. He explained the importance of JDS program and JICE activities. He also presented and shared information about his research visit to Uzbekistan to SJSC “Uzbekenergo” where he discussed about future cooperation, technological exchange and training of young specialists.

Here some pictures from the presentation.

