

# **APPLICATION OF INNOVATIVE TECHNOLOGIES TO CREATE JOBS FOR RURAL YOUTH**

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Taking into account that about 60% of Uzbekistan's population lives in rural areas and the current factor of large rural families, there is a topical issue of innovative approaches to creation of new jobs in the agricultural sector.

There is a need to develop and test a training system for leavers of rural secondary schools and re-training of unemployed rural youth in the use of modern environmental friendly technologies in agriculture.

Development of demo facilities and sites for demonstration of the use of renewable energy sources, the drip irrigation systems and centers of animal waste utilization will show the possibility to solve problems of rural youth employment and will reduce their leaving of countryside.

Extensive media coverage of young people working with equipment which generates electricity from renewable sources, as well as with drip irrigation system will raise the prestige of working in rural areas and reduce migration of young villagers, including outside the country.

Obviously, adoption of modern technology is an effective factor of the development of individual and dekhkan farms in remote regions of the country. But it also makes the work in rural areas attractive for youth.

Application of renewable energy sources (RES), information technology, access to mobile communications and other facilities provides harmonization of work conditions and leisure activities in the city and the countryside.

Construction of modern facilities for generating electricity on the base of wind turbines and solar stations, providing hot-water supply by solar collectors, drip irrigation of lands will attract the school-leavers from rural area and will create new jobs for the youth in their home village.

Adoption and spreading of environmentally friendly technologies will have high economic, social and environmental effects. The economic effect is caused by lower costs of electricity and materials consumption, as well water use. Environmental effect is associated with reduced environment impact as a result of renewable energy use and water saving technologies in industrial activity. Social effect is caused by increased employment for rural youth, reduced migration from rural areas and by incentives to obtain the engineering knowledge.

The first step in this direction will be the establishment of a field training center for rural population who will be trained to use clean technologies, modern equipment and technology; the field training center will be established in the Farish district of Jizzakh province; more than 50 young people from rural area will be trained to use renewable energy sources, as well waste-free, resource-and energy-saving technologies.

The general public will be involved in disseminating the experience of the field training of young people concerning water saving, resource conservation and efficient use of local and renewable resources.