



Effects of the Three Gorges Project on orange plantation, environments and socio-economic conditions in the backwater area of Xiangxi River

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The construction of the Three Gorges Dam on the Yangtze River has an extensive impact on agricultural structures in the backwater areas of the Yangtze River and its tributaries such as the Xiangxi River. In the backwater area of the Xiangxi River, orange plantation is the dominant land use and a very important source of income for the local population, since it was established in the later 1980's decade.

Due to the rising water, land previously not used for agricultural purposes because of its high slope gradients, for example, is now being utilized.

Investigations were carried out on agricultural adaptation of farmers guided by local authorities as well as on socio-economic effects on the local population. Results of these investigations will be conducted with currently evaluated data on land use change, soil-erosion and landslides, in order to give a contribution to sustainable land use strategies for the backwater area of the Xiangxi River.

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