Japan Geoscience Union Meeting 2010
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Global Land Project and Geosciences

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Global Land Project (GLP) is a joint core project of International Geosphere-Biosphere Programme (IGBP) and International Human Dimensions Programme (IHDP) aiming at improving the understanding on land changes, their causes, mechanisms and impact on the environment, and the various problems related with them at local to global scales. It is concerned with the human use and ecosystems of land, and vulnerability, resilience and adaptation towards sustainable land systems.
The change of the use of land is related with various environmental issues such as global climatic change, food security, population problem, natural hazards, and land degradation. Consolidation of the relation between GLP and geosciences is a great benefit for the two parties. GLP can enhance its understanding in the physical environment and its changes, and on the interaction between land use and the environment. On the other hand, geosciences can incorporate broad perspective of social and human sciences and regional studies in their often too-physical approaches. The Human Geosphere Section of JpGU is desired to be a good meeting point of the GLP and the geosciences communities, and the present session will show how it works.
The present presentation therefore intends to show some examples of possible mutual corporation between GLP and geosciences, with particular attention to the effect of land use change on the increase of natural hazards. It is hoped that the geosciences community joins the discussion of the issues related with land use change and with the relationship between land use change and global environmental change from the broad perspectives of human geosphere sciences, including earth sciences, geography, hazard studies and social sciences.

Keywords: GLP, environmental change, land use change, geoscience, land science, human geosphere science