

Penultimate year FR Evaluation

Title of the Project	Global Warming and the Human-Nature Dimension in Siberia: Social Adaptation to the Changes of the Terrestrial Ecosystem, with an Emphasis on Water Environments
Project Leader	HIYAMA Tetsuya
General advice and comments of PEC: <p>The project is well designed around the main topic of global warming and its impacts on the terrestrial ecosystem in Siberia. Nevertheless, the project is also expected to examine social, cultural and human dimensions of the adaptation processes that local communities are going through. The project seems to be mainly influenced by the perspective of natural sciences. For this reason, the final year should be used to incorporate social and cultural dimensions of human-nature interaction into the main discussion. In order to do that, crucial interface between natural sciences and social sciences is to be considered. Clarification on the impacts of global warming and changing human-nature dimension in local areas will also be helpful for the project to communicate the main findings. Given the performance of the project so far, PEC thinks that there has been more focus on the sub-title of the project. For this reason, PEC suggests a revision in the project title.</p>	
Reply <p>Social and cultural dimensions of human-nature interaction will be focused on in FR5. The scope of the final year includes the following two points.</p> <ol style="list-style-type: none">1) To diagnose how keepers-hunters of domestic-wild reindeers adapt to social-environmental changes, especially focusing on vegetation degradation due to climate change2) To describe effects of spring river ice flooding on the local people who have historically lived along the Lena River in eastern Siberia <p>For both aspects, we are applying an interdisciplinary approach to integrate the social-natural sciences in relation to changes in terrestrial water environments and those in local subsistence activities. Since FR4, for the first point described above, the crucial interface between natural and social sciences has been considered through the use of a SD (system dynamics) model. For these reasons, we will not change the project title.</p>	