

## Adaptation for Climate Change and Its Social Implimentation

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Adaptation for climate change is urgent issue since increasing risk of natural disaster, such as typhoon and heavy rain and harmful effect of high temperature on agriculture are expected. "National Plan for Adaptation to the Impacts of Climate Change" is formulated by Japan's government in 2015, in which the vision are given to build a secure, safe and sustainable society that is able to minimizing and avoiding damage. These actions to formulate the adaptation plan are expected to spread for local governments. For this purpose, simulation of climate change projection, downscaling technique to obtain the detailed estimation of climate change in local scale, the evaluation of risk to contribute the formulation of adaptation plan are necessary, as well as the issue for social implementation such as co-design working with stakeholders.

We will discuss the current status of the simulation modeling and knowledge gap between the scientists and stakeholders.

Keywords: Adaptation for Climate Change, Social Implementation