

Title: Overview of recent impact studies by NIES AIM/Impact team and introduction to ICA-RUS project

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Impact studies conducted by NIES AIM/Impact team in FY2013 are overviewed. Before starting the overview of the researches, newcomers of the team and other internal transfer are introduced briefly.

This year, each member of the team has tried to be more associated with and contribute to international academic activities. It seems that the efforts have been rewarded by the increase in the peer-reviewed paper publications. Ongoing participations in international academic activities are summarized.

We developed an integrated analyses tool for comprehensive analyses of climate change impacts, that was called AIM/Impact[Policy], about a decade ago. One of the key components of the tool is what we call 'Impact Function'. For the purpose of integrating knowledge on climate impacts at global scale to discuss climate risk management strategies, we have been renovating the tool through extensions and improvements of impact functions. Recent efforts on this issue are explained. Next, analyses of climate change impacts at global scale utilizing the newly developed scenarios (CMIP5 based on RCPs and/or SSPs) are introduced.

Finally, concepts and recent progress of the MOE-funded strategic research project for suggesting global climate risk management strategies (ICA-RUS project) are explained.

[NIES Climate change impact modeling team in 2013]



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