

Stock-Taking of Niigata Action Plan

1 Program • Project Title / Activity No. :

Share information on sustainable paddy rice cultivation system adaptable to climate change / No. 35

2 Responsible Economy

Japan

3 Objectives

Increase yield and yield stability of rice in rainfed environments, under climate change.

4 Synopsis of Activities

●International Rice Research Institute (IRRI) implements following research activities.

- 1) Development of a seasonal weather forecasting model and analysis of abiotic stresses caused by climate change
- 2) Development of rice genotypes suitable for growing in abiotic stress conditions caused by climate change.
- 3) Development of fertilizer management technologies to mitigate stresses caused by climate change.
- 4) Development of an integrated decision support system for farmers, based on (1), (2), (3).
- 5) Capacity building for researchers.

●Share information on sustainable paddy rice cultivation systems adaptable to climate change via information platform (s).

5 Status

Not yet dealt On going Completed

6 Further Activities needed

- Develop a weather forecast system, a decision support system and improved rice varieties adapted to the countries.