Overview of RIICE achievements Phase I and Outlook Phase II

22 January 2016, Stakeholder Workshop Bangkok

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Using satellite technology to increase precision and timeliness of rice yield estimation for crop insurance delivery

Reduce vulnerability of smallholder farmers by…

1. Helping Governments and NGOs to better plan for food crises through regular and accurate **crop monitoring.**

2. Increasing efficiency and effective-ness of **crop insurance solutions** and turn it into a viable business also in emerging markets.

sarmap

Satellite data procurement & processing

Swiss Agency for Development and Cooperation SDC

Main funder

giz

Implementation partner in Thailand,

IRRI
International Rice Research Institute

Ground validation & yield modelling

Allianz

Insurance product development

Timeline

02/2012 — 05/2015 — 04/2018

Phase I: Test phase
Technical proof of concept;

Phase II: Insurance application
Nation-wide upscaling of yield monitoring in collaboration with governments. Application in

RIICE works with Thai partners since 2012 to make use of satellite-derived rice yield information to use it in insurance

Cooperation with MOAC and GISTDA since 2012/2013.

- 8 trainings courses by Sarmap and IRRI to MOAC and GISTDA
- Rice area maps and yield maps produced for selected regions

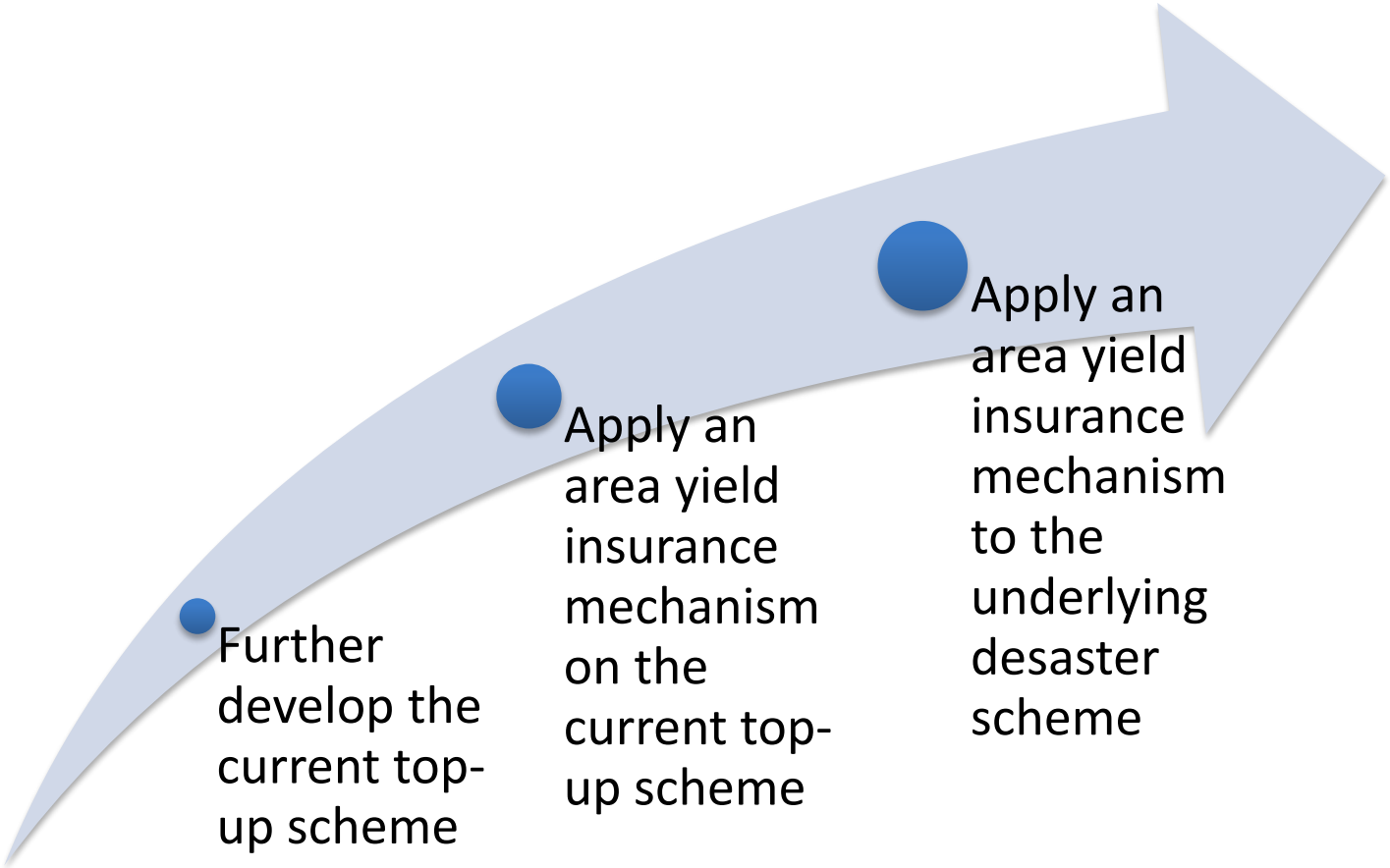
Working with Insurance stakeholders to further develop current scheme

- Support to BAAC on business planning and marketing for crop insurance since 2013
- Cooperation with FPO resulted in a mandate to deliver proof of concept for a satellite-supported area yield insurance.

Outline and implementation plan for the pilot:

- Product
- Processes
- Functioning of underlying technology

If successful, the proof of concept can be scaled



Questions & Answers that we will address today

What is the rationale of the proposed area yield insurance product?

What are the pricing options for the are yield insurance products?

How are end-of-season yields being calculated using satellite technology?

Questions & Answers that we will address today

To seek common understanding of the roles and responsibilities amongst the stakeholders

To attain clarity on requirements of the pilot (e.g. political requirements, subsidies, regulatory issues)

To further discuss on how to handle operational issues with all involved parties

… set the scene for a successful implementation of an insurance pilot.

... to assess the feasibility and usefulness of a satellite-supported area-yield index insurance with a view to further develop the current system.

In a post-pilot setting, yield data can be either delivered by IRRI or by MOAC

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What are the pricing options for the are yield insurance products?