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# Key Barriers to Scaling SLCP Mitigation in Rice Production in the Philippines

*What are the key hindrances to scaling up SLCP mitigation measures in rice production?*

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# Key Challenges and Lessons



- Farmer perception of yield risk



- Infrastructure limitations in gravity systems (i.e. limited control structures)



- Fragmented MRV and

- data ownership
- Need for strong institutional coordination



# Challenges...

## 1. Lack of Coordination in Project Implementation

Some companies engage irrigator associations without proper coordination with the National Irrigation Administration (NIA), which manages the national irrigation system.

## 2. Credit sharing between Japan and Philippines

The final percentage of carbon credit allocation between Japan and the Philippines is still under negotiation.

## 3. Area validation is still ongoing

The number of hectares covered under the JCM project and for inclusion in the Nationally Determined Contribution (NDC) is not yet confirmed, as NIA is still validating the areas under AWD implementation.



# Why farmers are experiencing difficulties adopting Alternate Wetting and Drying in the Philippines

Authors: Gio Karlo Evangelista, Kristine Samoy-Pascual, Romeo J. Cabangon, Manuel J. Regalado, Yuji Enriquez, Rubenito Lampayan, Arnel Rala, Sudhir Yadav



## Key points:

- AWD can reduce irrigation water use by up to **50% without lowering rice yields**, but adoption in Philippine irrigation systems is only about **12%**.
- **Physical challenges:** Differences in soil type and elevation in gravity-fed irrigation systems make it difficult for farmers to synchronize drying periods.
- **Institutional barriers:** Water distribution is centrally managed with fixed schedules, limiting farmers' control over irrigation timing.
- **Socio-economic factors:** Many farmers are tenants who avoid AWD due to perceived risks to crop productivity and lease security.
- **Proposed solutions:** Adaptive irrigation schedules, real-time monitoring using digital tools (e.g., sensors), and incentives such as carbon financing.




# THANK YOU!

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