Research Priorities for Policies and Social Sciences in the Asia and Pacific

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What's different from other regions?

- Dynamic economy
- Diverse stages of development
- Diverse cultural and social basis
- Highly populated (advanced in problems)
- Small scale farming in general
- Monsoon and rice based farming
- Diverse farming system
- Many other constraints in Agriculture

Asia-Pacific Needs Suitable Framework

- It must be flexible and dynamic.
- It must cover diverse players.
- Collective actions are fully utilized.
- Roles of social scientist are critical.
- But, researches has not been so active.









Economic Incentives (Internalization of Externalities)

- Incentives to mitigation functions of Agriculture, such as carbon sequestration in soil and methane emission reduction.
 - GAP promotion
 - Water pricing policy
- Multifunctionality is well recognized in the region.
- Introduction of business mind. CC trading, CC tax, CC subsidy.....

New Mechanisms to be Studied

- EU-ETS (Emission Trading System)
- CDM (Clean Development Mechanism) – Currently 50% goes to China and India.
 - Potential areas in agriculture, e.g. N2O,CH4, Biofuels ...
- Climate insurance, Regional stock reserve
- JIRCAS is about to obtain CER (Certified Emission Reduction) in a small-scale agroforestry project.



We have to be sensitive to the magnitude of impacts.

- Recent price soared by more than 300%. "30-50% increase" is relatively small.
- 800 million malnourished population now.
 "Additional several millions in 2050" are not meaningful.
- Asian diet and crops are being diversified. "Several percent yield reduction" can be superseded.

Something is wrong in the assessments!

Research Priorities

for global and local contribution

- 1. Custom-made incentives to internalize positive and negative externalities must be introduced.
- 2. Promote global agreement/commitment. It creates a large amount of credit to be used for research and development.
- 3. Mitigation and adaptation measures should be in line with the mainstream research for development.
- + Active participation in policy formulation