Thailand TEEB AgriFood Study for Rice Agro-Systems: A Comparison between Conventional and Organic Rice Farming Practices

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Land Use in Thailand

The whole country land use 51,311,500 ha. in 2016

- Forest 16,935,000 Ha. (33%)
- Paddy rice 11,899,000 Ha. (23%)
- Perennial 6,859,000 Ha. (13%)
- Field crops 6,595,000 Ha. (12%)
- Orchards 1,648,000 Ha. (3%)

Source: Land Development Department
Impact of rice cultivation

Conventional rice

Organic rice
Agri. area in Surin and Burirum

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<th>Surin</th>
<th>Burirum</th>
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<td>Area</td>
<td>812,406 Ha.</td>
<td>1,032,188 Ha.</td>
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- Surin: 0.8% of rice paddy is organic rice.
- Burirum: 0.4% of rice paddy is organic rice.

Source: Office of Agricultural Economics, 2015
Suitable area for paddy rice

Source: Land Development Department
Trade-off: Conventional and Organic Rice
Trade-off: Conventional and Organic Rice
Possible Outcomes

- Conventional rice
- Organic rice
- Other practices i.e. SRP

- Do nothing
- Practical consideration
Practical Consideration

- Scenario building with engagements from relevant stakeholders from the starting of the project.
- New technology adoption issue with behavioral issues (unbiases and biases) to be considered.
- Real implementation (with cooperation of wider range of stakeholders).
- The real practice would additional draw attention from various stakeholders especially policy makers, businesses, and consumers.
Thank you!