



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

TEEB for Agriculture and Food Global Symposium 2019
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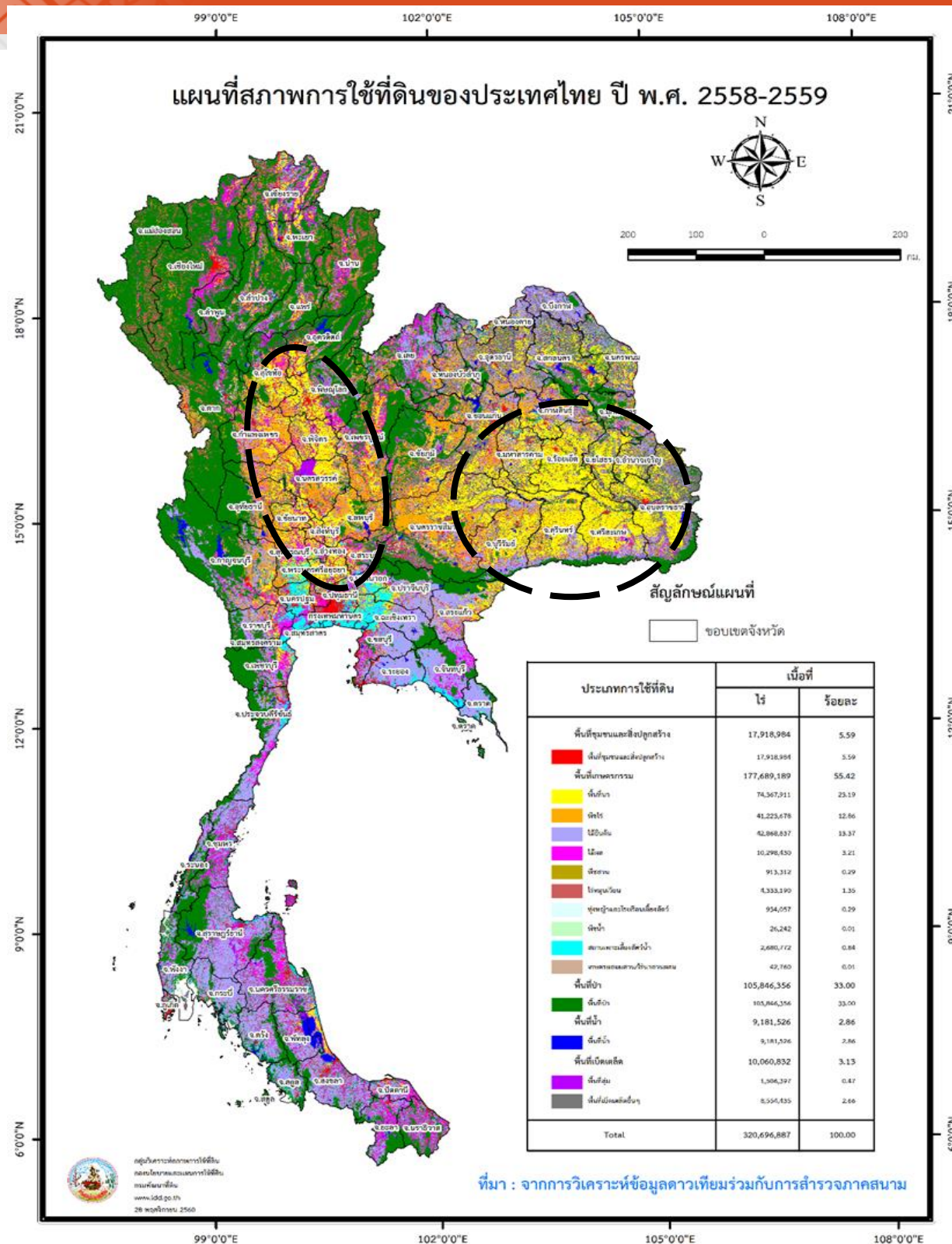
Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety

based on a decision of the German Bundestag





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



Cultivation



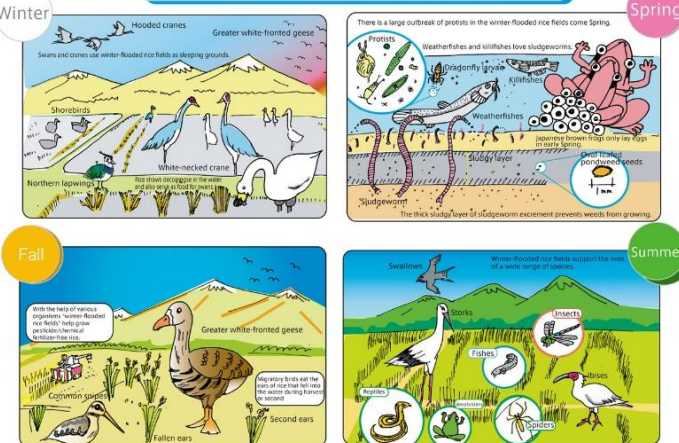
Processing



Consumption

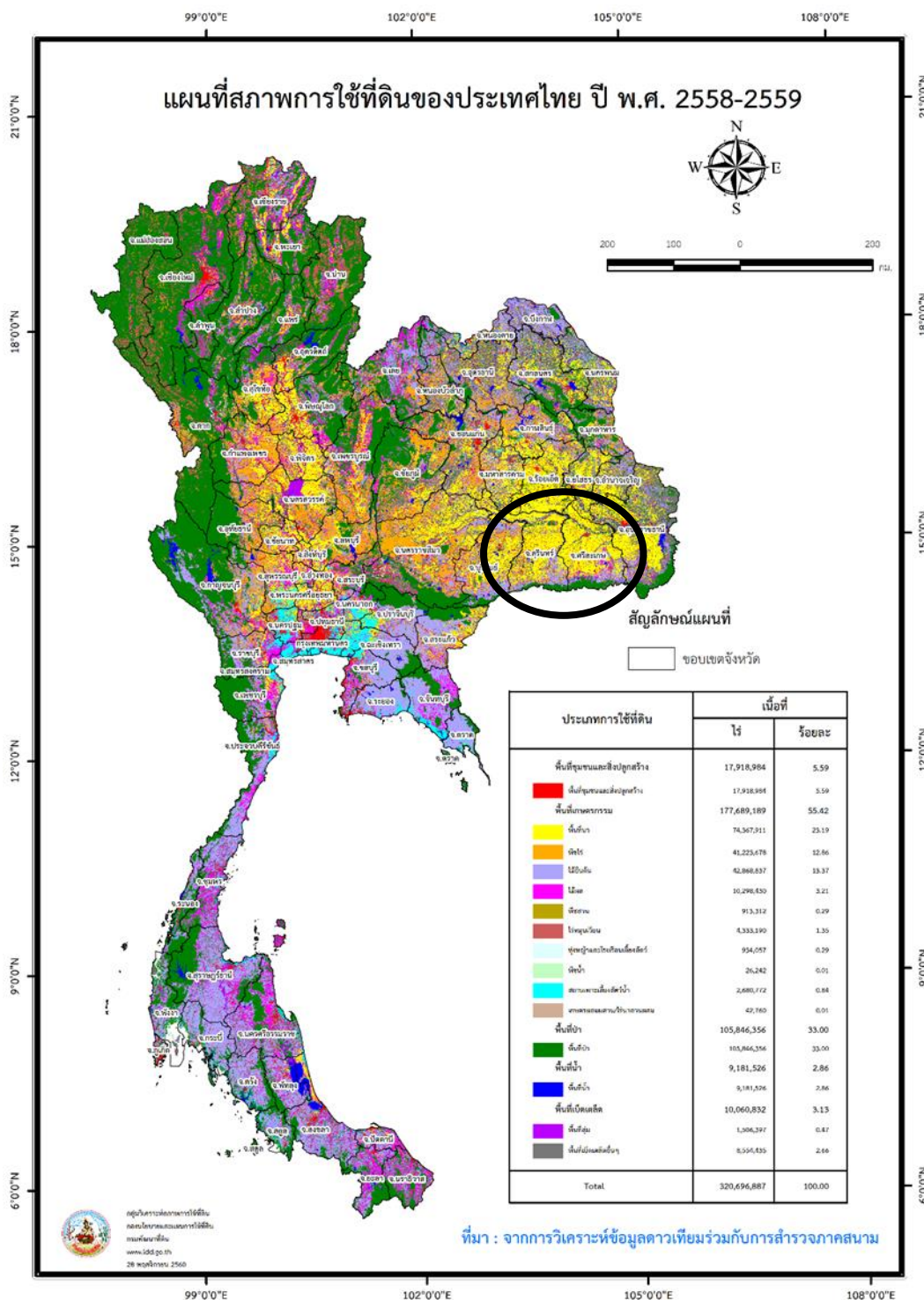
Organic rice

The 4 seasons of winter-flooded rice fields

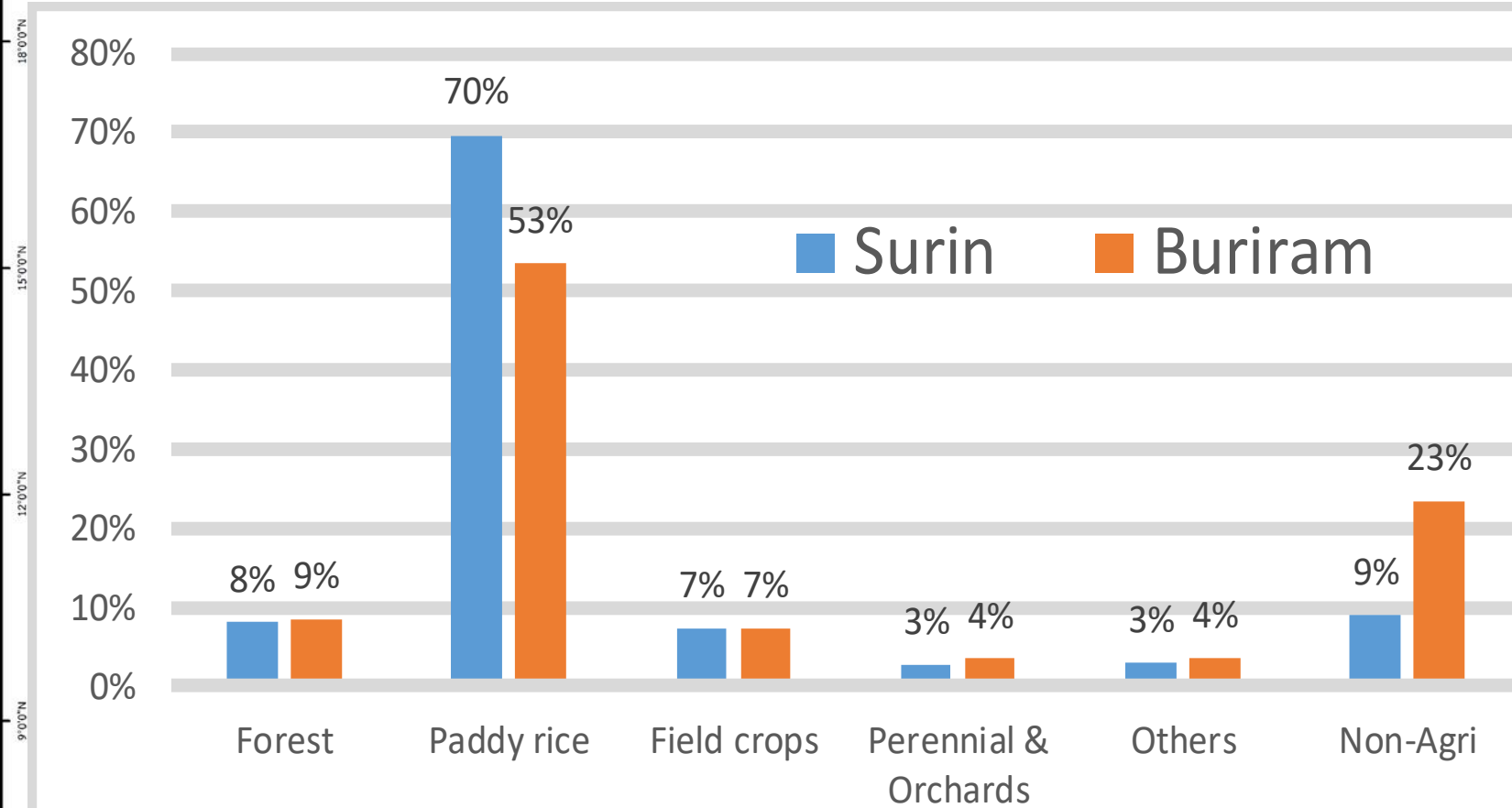




Agri. area in Surin and Buriram



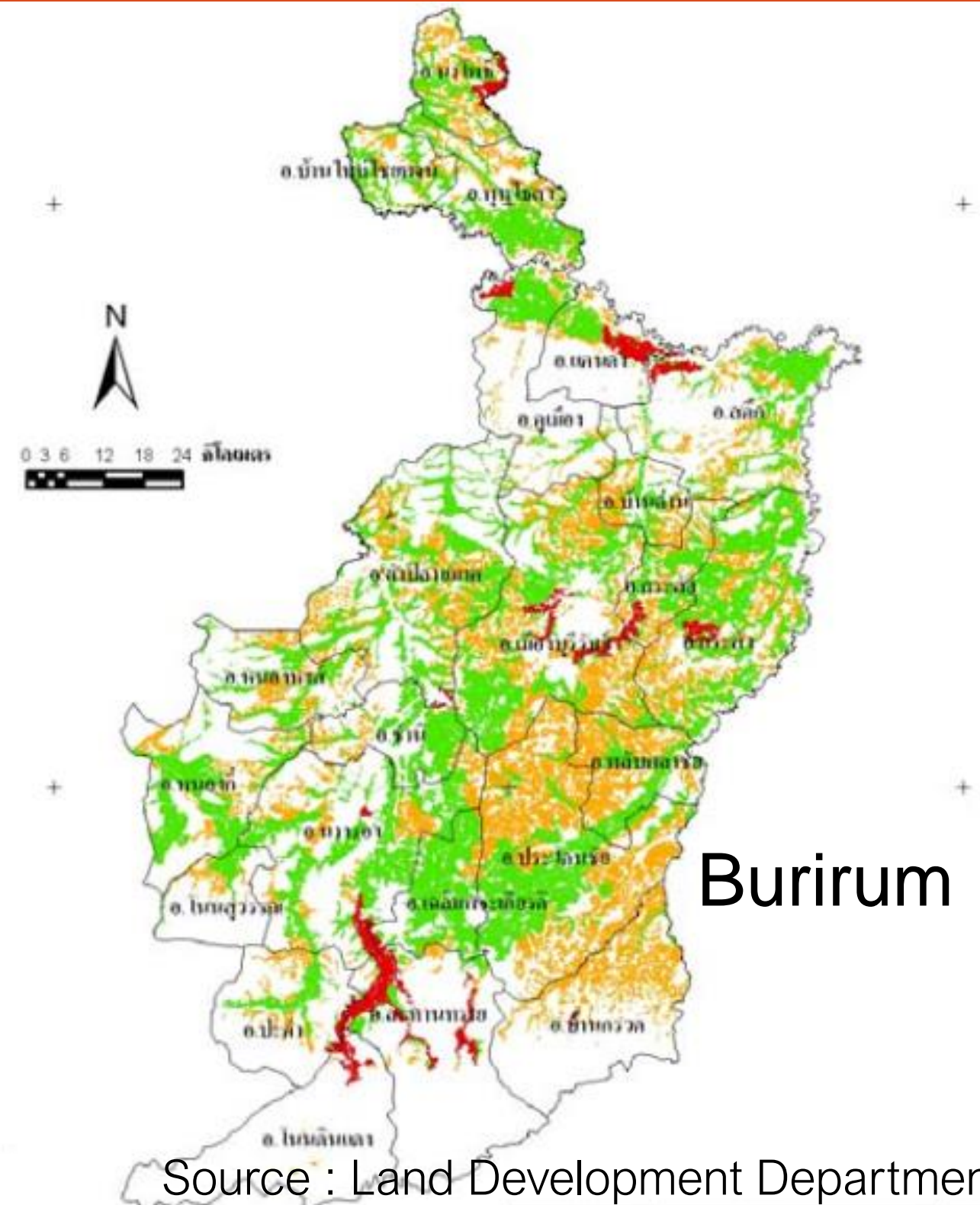
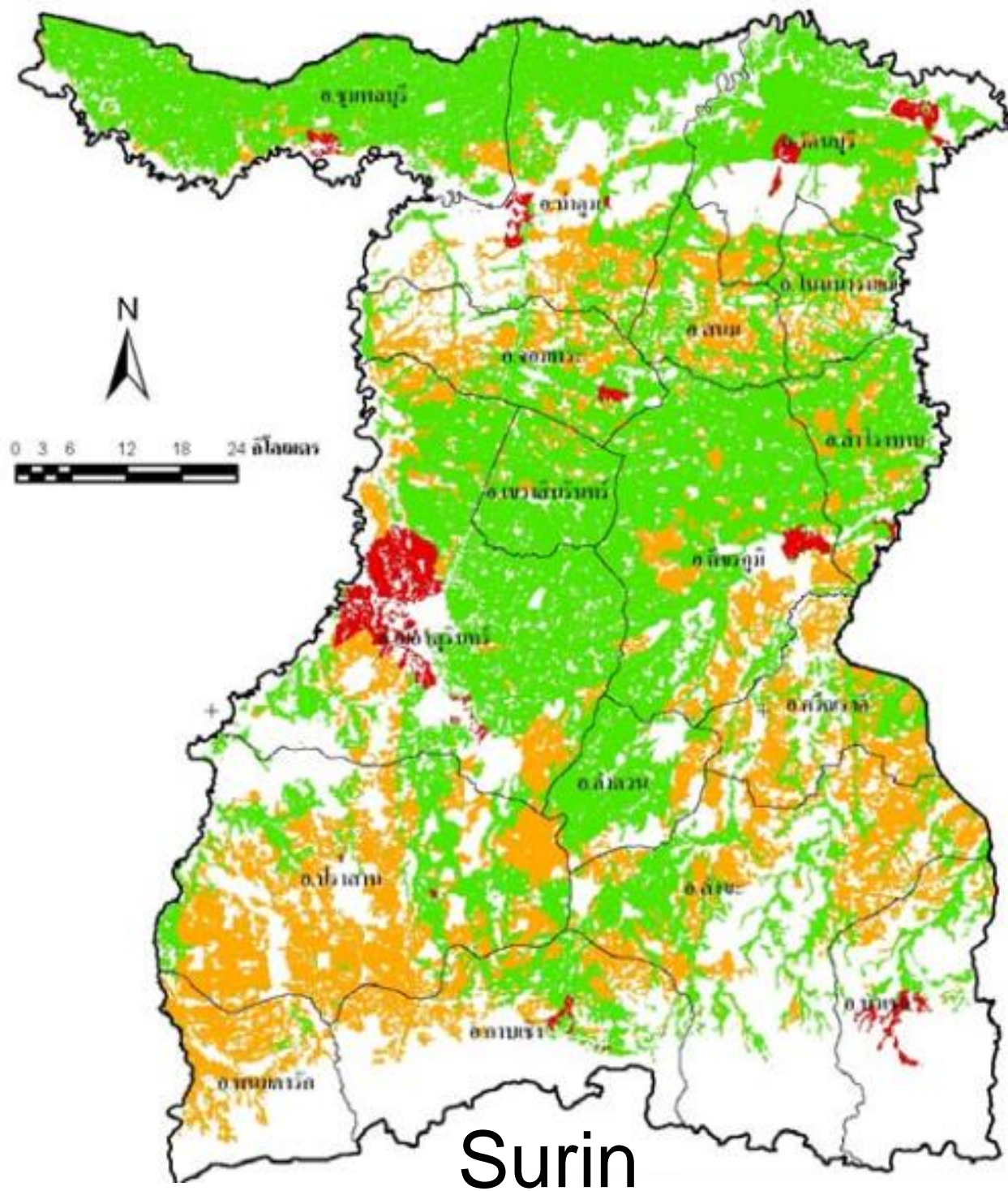
Surin 812,406 Ha.
Buriram 1,032,188 Ha.



Surin: 0.8% of rice paddy is organic rice.
Buriram: 0.4% of rice paddy is organic rice.



Suitable area for paddy rice



Source : Land Development Department



Trade-off: Conventional and Organic Rice



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Trade-off: Conventional and Organic Rice





Possible Outcomes

Conventional rice

Do nothing

Organic rice

Practical
consideration

Other practices
i.e. SRP



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 additionally draw attention from various stakeholders especially policy makers, businesses, and consumers.



Thank you!

