

# Integrated Assessment: Thailand Rice Sector

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1

## Objectives: Sector Overview

- Production trends
  - Economic aspect
  - Social aspect
  - Environmental aspect
- Policy variables (domestic&foreign)
  - Economic policies
  - Social policies
  - Environmental policies

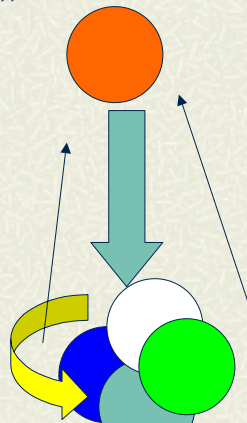
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## Structure of IA: Concept

“external factors”



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## Trade impacts: Dualism

### ■ Commercial

- Str.chg in production and marketing (large farms)
- “Specialization” and intensity of new inputs
- Social and cultural changes

### ■ “Semi-commercial”

- “Vent for surplus”
- Division of output for home/ market (family farms)
- Social and cultural changes

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## Dualism: External production factors

- # Green Revolution
  - Intensification of new inputs
  - Irrigation investment
- # Genetic Engineering Technology
  - Environmental risk
  - Intellectual property rights
  - “Security” versus “Safety”

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## Peripheral changes shaping output and yields

- # Draining of farm labor
- # “Land rush” of 1980s
- # The “Big Crash” 1997
- # Technical changes
- # Technological changes (HYVs; mechanization)
- # GET

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## “Internal” changes

- # Input intensity increases yield SLOWLY, rapidly increases average costs
- # changed land-use diverts paddy land
- # Social “de-link” isolates farmers
- # Genetic erosion: disappearing diversity, increase localized HYVs

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## Policy changes

- # Irrigation investment
- # Land-use change
- # R&D
- # Farm credit systems
- # Structural reform
- # Policy “spill-overs”
- # Rice premium
- # Input subsidies
- # Water pricing
- # Rice market intervention
- # Land conversion (bad land)

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## Trade and environment (SD)

- ▣ Liberal trade policy
- ▣ Big Crash: Prosperity or Security?
- ▣ Marginalized sector?
- ▣ Moving up the value chain?
- ▣ An Integrated Policy?

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## Potential impacts

Aspect	Domestic policy	Trade policy	DP + TP?
Economic	?	?	?
Social	?	?	?
Envi	?	?	?

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10