PSE Analysis and Implications for RTAs in Selected ASEAN countries:

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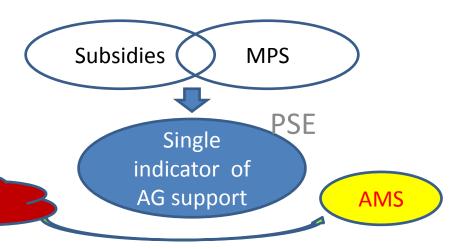
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A considerable number of this PPT slides have been taken or modified from the author's previous presentation made for the seminar organized by the PRIMAFF Japan in March 2003

PSE Analysis: Background

- Started in the early 1980s by the OECD based on T. Jostling's study
- to capture the rough magnitude of policy transfers arising from AG policies
- Among 3 actors (producers, consumers, & Govt.)
- that would cause overproduction and/or underconsumption
- and thus distort intl. trade

- Basic concept comprises PSE, CSE, GSSE, and TSE
- Key is the inclusion of MPS (market price support) in AG support measurement
- Which has enabled the estimation of net total transfers among 3 actors



Root cause of AG trade war is domestic support!

PSE Analysis Basic Concept & Methodology

PSE indicators try to measure the annual monetary value of **gross transfers** arising from policy measures that support agriculture, *regardless of their* nature, objectives or impacts on production & income:

PSE

Producer support estimate

- from consumers& taxpayers
- to AG producers individually

CSE

Consumer support estimate

- from AG producers & tax payers
- to consumers of AG commodities

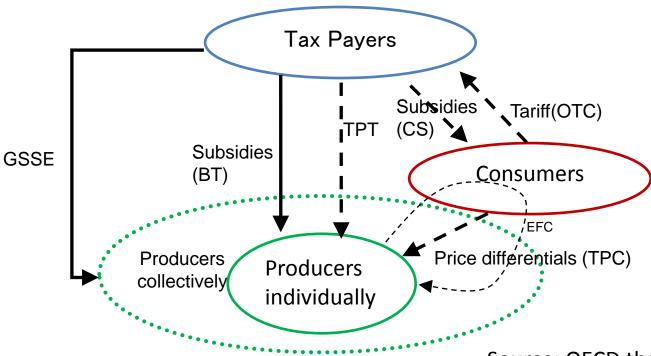
GSSE

General service support estimate

- From taxpayers
- to general services provided to AG producers collectively

TSE (Total Support Estimate) net of double counting)

Basic flows of Transfers arising from policies



BT: budgetary transfers,

TPT: Transfers to producers from tax payers

CS: consumer subsidies

TPC: Transfers to producers from consumers

OTC: other transfers from consumers

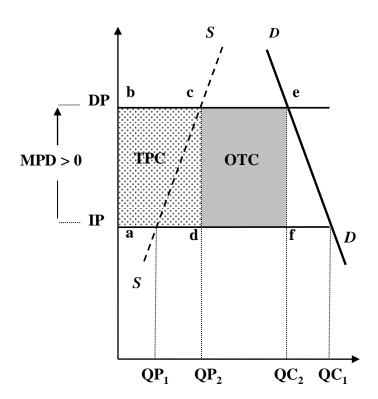
EFC: Excess feed costs

Source: OECD the PES manual (partly modified)

- Dotted line: implicit transfers from MPS (market price support)
- Direction of arrows is reversed if transfers are negative

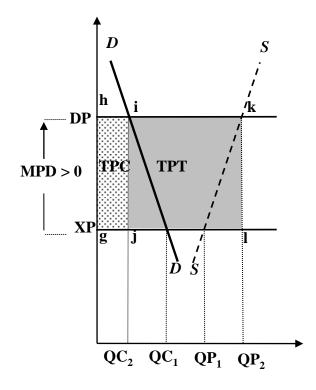
Transfers through MPS

Imported commodity



MPD: market price differential TPC: transfer to producers form consumers PTC: other transfers from consumers

Exported commodity



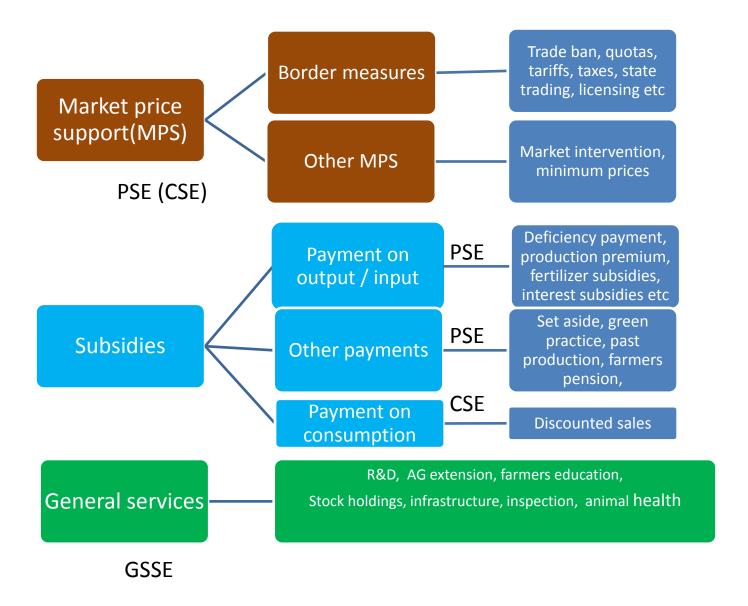
TPT: transfer to producers form tax payers

IP: import price, XP: export price

DP: domestic price

Source: OECD the PES manual (Partly modified) 6

Classification of policies



MPS measurement

Price differentials (PD) are the base

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PSE(MPS)=PD x Qp
CSE(MPS)=-PD x Qc
```

- Price differentials are measured:
 - Between import(or export) and domestic prices
 - At farm gate levels
 - By comparing 'like with like'
 - By adjusting quality and weight differentials
 - By adjusting marketing/processing costs
 - For the commodities that price policies apply

PSE vs AMS

PSE/CSE (OECD)

- Try to capture all sort of support to agriculture
- Focus on transfers among three actors
- More theoretical
- Not negotiable
- Used for policy monitoring

AMS (WTO)

- Focus on domestic support which distorts production and trade
- More political
- Exclude support on :
 - 'green' and 'blue' policies
 - 'development' policies
 - 'De minimis' (5%)

PSE >> AMS (Aggregated measures of support)

Diverse ASEAN (1)

| Country | Languago | Policitcal system | Major religion | Land | Pop. |
|-------------|-------------------------------|--|----------------------------|---------|---------|
| Country | Language | Folicitoal System | Major religion | mill.ha | million |
| Brunei D | Malay, Eng. | Constitutional Monarchy (sultan) | Muslim | 0.6 | 0.4 |
| Cambodia | Kumer | Constitutional Monarchy | Buddhism | 18.1 | 15.0 |
| Indonesia | Bahasa Indonesia | Parliamentary democracy (president) | Muslim, Hindu | 190.5 | 231.4 |
| Lao DPR | Lao | Socialist republic | Buddhism | 23.7 | 6.1 |
| Malaysia | Malay, Eng. Chinese, Hindu | Federal constitutional monarchy | Muslim, Buddhism, Hindu | 33.0 | 28.3 |
| Myanmar | Myanmar | Transition from martial rule parlia. democracy | Buddism | 67.7 | 59.5 |
| Philippines | Tagalog, Eng | Parliamentary democracy (president) | Christian | 30.0 | 92.2 |
| Singapre | Eng.,Malay, Chinese | Parliamentary democracy (PM) | Christian, | 0.1 | 5.0 |
| Thailand | Thai | Constitutional Monarchy | Buddism | 51.3 | 66.9 |
| Vietnam | Vietnam | Socialist republic | Buddism, Christian | 32.9 | 86.0 |

Source: ASEAN secretariat, others

Diverse ASEAN (2)

| Country | Land Area | Populat ion | GDP | GDF | pc | Total trade | Poverty | Internet use |
|-------------|--------------|-------------|---------|-------|------|-----------------|-----------------|-----------------|
| Country | Km2 | million | bill/\$ | 000\$ | | IM+EX bill\$ | <1.25\$/ day | no/1000 |
| Brunei D | 6 | 0.4 | 16 | 38.7 | 52.1 | 14.8 | - | 560 |
| Cambodia | 181 | 15 | 13 | 0.9 | 2.3 | 12.8 | 28 | 31 |
| Indonesia | 1860 | 238 | 847 | 3.6 | 4.7 | 380.9 | 16 | 180 |
| Lao DPR | 234 | 6 | 8 | 1.3 | 2.8 | 4 | 31 | 90 |
| Malaysia | 330 | 29 | 288 | 9.9 | 16 | 415.7 | 2 | 610 |
| Myanmar | 677 | 60 | 52 | 0.9 | 1.4 | 14.9 | - | 10 |
| Philippines | 300 | 96 | 224 | 2.3 | 4.3 | 111.8 | 23 | 290 |
| Singapre | 0.7 | 5 | 260 | 50.1 | 60.7 | 775.2 | - | 750 |
| Thailand | 513 | 68 | 346 | 5.1 | 8.9 | 458.9 | 2 | 237 |
| Vietnam | 331 | 88 | 123 | 1.4 | 3.4 | 199.6 | 14 | 351 |

ASEAN AG: so diverse too!

2010 or latest year

| Country | | .G mill.ha) | Agricult | ure % in | rice SSR, % | AG Trad 2007-11 5 | • | Major AG export |
|-------------|-------|----------------|----------|----------|-------------|----------------------|---------|-------------------------------|
| | Total | arable | GDP | Labor | Av. 2005-9 | Export | Balance | |
| Brunei D | 0.0 | 0.0 | - | 4 | 2 | 2 | -326 | |
| Cambodia | 5.6 | 3.9 | 27.5 | 60 | 106 | 153 | -513 | |
| Indonesia | 48.1 | 22.0 | 13.7 | 36 | 100 | 27824 | 15962 | Rubber, marine P, coffee |
| Lao DPR | 2.2 | 1.3 | - | - | 110 | 70 | -204 | |
| Malaysia | 7.9 | 1.8 | 7.4 | 14 | 73 | 24547 | TT/29 | Palmoil, rubber, marine P |
| Myanmar | 12.0 | 10.6 | - | 67 | 102 | 1150 | 265 | Rice, pulses |
| Philippines | 11.8 | 5.3 | 18.1 | 33 | 88 | 3306 | -2347 | Coconuts, banana |
| Singapore | 0.0 | 0.0 | 0.1 | 0 | 0 | 6269 | -2399 | |
| Thailand | 19.7 | 15.2 | 8.9 | 41 | 173 | 24967 | | Rice,rubber, cassava,sugar |
| Vietnam | 10.1 | 6.3 | 17.5 | 48 | 131 | 9033 | 1217 | Coffee, rice, marine P |

Source: FAO FAOSTAT, and WB World database

AG policy trend a road for ASEAN CAP?

2007 AEC blueprint

- Goal: Economic Integration
- Establish AEC by 2015
- Single market & production base
- Free flow of Goods, services, invest./capital, skilled labor
- Eliminate IM duties and NTB as CEPT-AFTA (with exceptions)
- Promote integration in standards, customs, etc

Conditions to become a real common market

- 1. Free intra-trade
- 2. Common extra-trade policies
- 3. Common price/income support policies
- 4. Common macro economic policies

AG production: Similarity and difference

Top 10 product groups in MCs (2000intl\$), 2011

| Camboo | lia | Indones | ia | Lao | | Malays | ia | Myann | nar | Philippin | es | Thailan | d | Vietnar | n |
|------------|------|-------------|------|-----------|------|------------|------|-----------|------|-----------|------------|------------|------|-----------|------|
| Products | % | Products | % | Products | % | Products | % | Products | % | Products | Products % | | % | Products | % |
| Rice | 58.9 | Rice | 30.6 | Rice | 41.3 | Palmoil& k | 60.0 | Rice | 39.0 | Rice | 19.9 | Rice | 28.4 | Rice | 37.2 |
| Cassava | 11.9 | Palmoil & k | 17.0 | Vege. nes | 10.0 | Poulty M | 15.2 | Poulty M | 6.5 | Bana&Pine | 14.0 | Rubber | 11.1 | Pigmeat | 16.2 |
| Cattle M | 5.2 | Rubber | 5.3 | Maize | 5.9 | Rubber | 7.3 | Beans | 8.7 | Pigmeat | 11.9 | Fruits nes | 8.4 | Vege. nes | 5.3 |
| Pigmeat | 4.0 | Fruits nes | 4.2 | Cattle M | 5.2 | Rice | 4.7 | Pigmeat | 4.0 | Fruit nes | 9.9 | Cassava | 7.3 | Fruit Nes | 4.7 |
| Maize | 2.8 | Cassava | 4.2 | Pigmeat | 4.9 | Eggs | 3.4 | Vege. nes | 3.6 | Coconuts | 8.1 | Sugar C | 7.2 | Coffee | 4.1 |
| Vege. nes | 2.7 | Poulty M | 3.7 | Coffee | 2.8 | Pigmeat | 2.6 | Sesame | 2.8 | Poulty M | 5.1 | Poulty M | 5.9 | Cashew | 3.8 |
| Fruits nes | 2.0 | Bana&Pine | 3.4 | Cassava | 2.6 | Bana&Pine | 1.4 | Groundnut | 2.7 | Vege. nes | 4.4 | Eggs | 5.2 | Cattle M | 3.4 |
| Rubber | 1.2 | Coconuts | 3.4 | Tobacco | 2.2 | Vege. nes | 1.1 | Cattle M | 2.4 | Cattle M | 3.9 | Pigmeat | 4.6 | Cassava | 3.1 |
| Bananas | 1.1 | Maize | 3.1 | Poulty M | 1.5 | Fruits nes | 0.9 | Milk | 2.4 | Sugar C | 3.1 | Bana&Pine | 3.2 | Rubber | 3.0 |
| Soybeans | 1.1 | Pigmeat | 1.9 | Sugar C | 1.2 | Coconut | 0.4 | Fruit Nes | 2.3 | Eggs | 2.6 | Cattle M | 2.4 | Poultry M | 2.7 |

Source: FAOSTAT

- •Rice has a predominant importance in all countries except Malaysia
- •Some estate crops make up high share in Indonesia, Malaysia and Thailand
- •In some countries, specific crops (e.g. cassava, coffee, beans, banana & pineapples) are produced for exports

AG trade liberalization So far so good?

Progress in CEPT-AFTA for AG

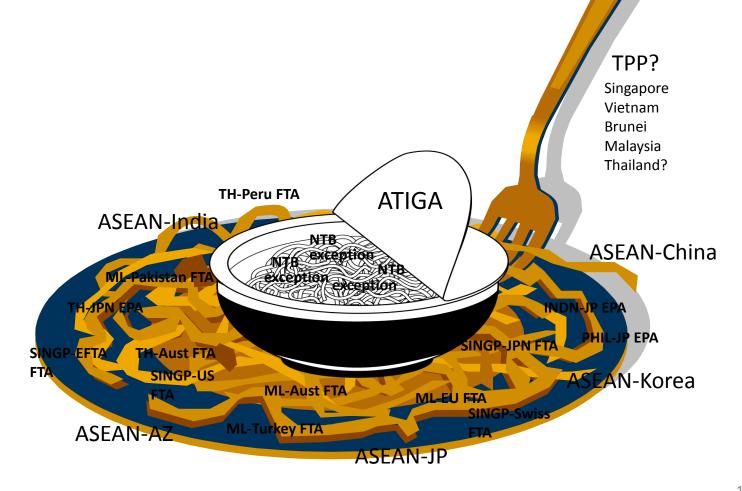
- Eliminate tariffs even sensitive products under ATIGA by 2010 for 6 nations & by 2015-18 for CLMV
- Eliminate NTB by 2010 in Thailand and by 2010-15 in Vietnam
- Except for Rice and Sugar in some countries

Achieved in most cases as scheduled because:

- MCs have been either competitive or marginal producers in these products;
- thus, real effective tariffs had been already low;
- various NTB (NTM) including TRQ, licensing, IM permits still in force for key products;
- temporary suspension may be allowed at emergency;
- rice and sugar have been excluded.

ASEAN AG trade liberalization

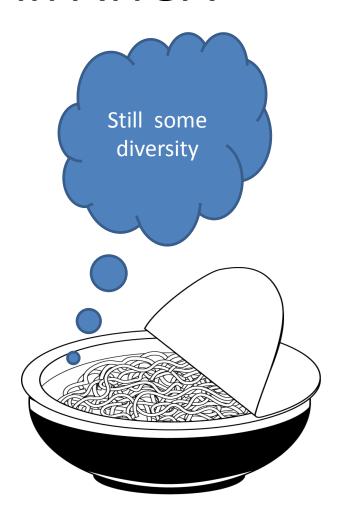
A two-tier noodle bowl with Achilles heel?



Inner bowl : AG in ATIGA

• CEPT:

- achieved 0-5% tariffs in most AG items (ASEAN6)
- Except rice and sugar
- CLMV will follow
- NTB:
 - Still many NTB/NTM and less transparent
- Standards:
 - Still diverse in SPS, food safety control



CEPT but with discretion?

Rice and Sugar Tariffs (%) and NTM

| | | Rice | | | Sugar | |
|-------------|------|------|--------|------|-------|-----|
| | 2012 | 2015 | NTM | 2012 | 2015 | NTM |
| Cambodia | 5 | 0-5 | | 5 | 0-5 | |
| Indonesia | 30 | 25 | ST | 30 | 10 | IL |
| Lao | 5 | 5 | ST? | 10 | 5 | |
| Malaysia | 20 | ? | ST | 0 | 0 | IL |
| Myanmar | ? | 5 | ST | ? | 0.5 | |
| Philippines | 40 | 35 | ST | 28 | 5 | TRQ |
| Singapore | 0 0 | | | 0 | 0 | |
| Thailand | 0 0 | | TRQ IL | 0 | 0 | TRQ |
| Vietnam | 10 | 5 | TRQ | 5 5 | | TRQ |

Source: ASEAN secretariat, ATIGA tariff schedule for each country

Reported major AG NTM

| | _ • | 7 CALTA |
|-------------|---------------------|-------------------------|
| Country | Major Items | Type of NTM |
| Indonesia | Chiken | QR/prohibition |
| | Root crops | Selected approval |
| | Rice & maize | State Trading |
| | Soybeans & oilseeds | Licensing/permit |
| Malaysia | Meats,Fish,Milk | Licensing (mostly SPS?) |
| | Rice | State Trading |
| | Palm nuts & kernels | Licensing(discret.) |
| | Sugar | QR, Licensing |
| Philippines | Beef, pork, chiken | TRQ |
| | Potatoes | TRQ |
| | Coffee | TRQ, permit |
| | Maize | TRQ |
| | Soybeans & oilseeds | Licensing(mostly SPS?) |
| | Sugar | TRQ |
| Thailand | Rice | TRQ, licensing |
| | Soybeans | TRQ, licensing |
| | Coconut oil | TRQ |
| | Sugar | TRQ |
| Vietnam | Eggs | TRQ |
| | Vegetables, Fruits | Tech regulation (SPS?) |
| | Sugar | TRQ |

Source: ASEAN Secretariat, Database of non-tariff measures

Note: Excludes general SPS measures

Excludes NTMs applicable to non-ASEAN countries

Outer bowl: tangled FTA/RTAs

- ASEAN FTA with Dialogue partners
 - China, Japan, Korea, Aust-NZ, India
 - But simple wrapping of each nation's commitments.
 - No common schedules among ASEAN members nor dialogue partners
- Bilateral FTA/EPA: so diverse and tangle full flexibility(exclusions)
 - Thailand: JPN, AST, NZ
 - Malaysia :JPN, IND, Chile, PAK, NZ
 - Philippines, Indonesia, Vietnam: JPN(EPA)
 - Singapore: US, JPN, CHN, EFTA,IND, AST, etc
- TPP: Can they accept complete liberalization?
 - Brunei, Malaysia, Singapore, Vietnam, (Thailand)



ASEAN China FTA: Sensitive and highly sensitive list (2004)

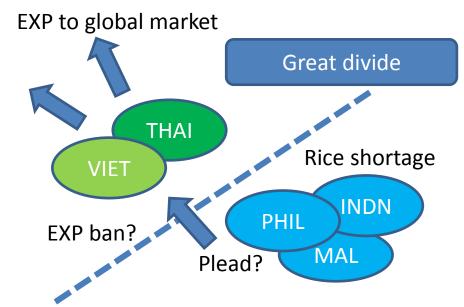
| | | Sensitive products | | Highly sensitive products | |
|-------------|-------------|--|--------------------------|--|-----------------|
| | No.of items | Major items | No.of items | Major items | 2012 |
| Brunei | 0 | | 0 | | |
| Cambodia | 8 | porcessed food and tobacco | 8 | processed food | Mostly 0-10% |
| Indonesia | 12 | Minor processed food | 13 | rice, sugar, alcohol | Mostly retained |
| Lao | 75 | meats, milk, vegetables, fruits, rice | 16 | alcohol | Mostly retained |
| Malaysia | 22 | meats,milk,eggs,cabbage, tobacco | 22 | chicken, milk tobacco | Mostly retained |
| Myanmar | 127 | cofee, veg.oil, sugar, processed food | 0 | | |
| Philippines | 20 | vegetables | 41 | meats, onion, carrots, rice,sugar | Mostly retained |
| Singapore | 1 | alcohol | 3 | beer | |
| Thailand | 8 | wheat flour, processed food | 51 | milk, onion, coffee, rice soybean, oil, sugar | Mostly 0-5% |
| Vietnam | Not | available but chicken, coffee, rice, v | nany others are included | Mostly retained | |

Source: ASEAN secretariat, ASEAN China FTA area, Agreement on Trade in Goods, Annex II and reduction schedule Note: Tariff rates have been reduced since 2004 for sensitive products.

Reduction schedules differ by country and by ASEAN FTA

Food security: An apple of discord

- 2007/08 global food crisis disclosed a serious defect of CEPT-AFTA on food security
- It has no closes to assure the food security of food-importing MCs: Exporting MCs are free to ban exports or sell to non-MCs
- Dilemma of "open-regionalism" and solidarity
- Is the emergency rice reserve earmarked by ASEAN (87000ton only) enough?





Who is most vulnerable on Food?

Agricultural trade balance (2007-2011, 5year av. mill \$)

| | AG T | rade | AG t | rade Bala | ance | Total Merchanitize trade | | | | |
|-------------|--------|--------|----------|-----------|-------|--------------------------|--------|---------|--|--|
| | Export | Import | AG total | Cereals | Food | Export | Import | Balance | | |
| Brunei | 2 | 328 | -326 | -87 | -241 | 9307 | 2505 | 6802 | | |
| Cambodia | 153 | 665 | -513 | -33 | -262 | 5017 | 6774 | -1757 | | |
| Indonesia | 27824 | 11861 | 15962 | -2598 | 9654 | 147225 | 125190 | 22035 | | |
| Lao PDR | 70 | 274 | -204 | -20 | -118 | 1406 | 1678 | -272 | | |
| Malaysia | 24547 | 12817 | 11729 | -1487 | 8192 | 191972 | 155961 | 36011 | | |
| Myanmar | 1150 | 885 | 265 | 15 | 546 | 7567 | 5145 | 2422 | | |
| Philippines | 3306 | 5652 | -2347 | -2076 | -1608 | 47556 | 57291 | -9735 | | |
| Singapore | 6269 | 8667 | -2399 | 215 | -2464 | 333737 | 301056 | 32681 | | |
| Thailand | 24967 | 7119 | 17848 | 5138 | 10857 | 179990 | 172921 | 7068 | | |
| Viet Nam | 9033 | 7815 | 1217 | 1786 | 752 | 67497 | 80987 | -13490 | | |

Case Study: PSE Analysis

Can ASEAN move forward the EA-CAP

- Free trade alone cannot promise AEC-CAP
- It requires common AG policies including:
 - Common price/income support measures
 - Common Gov. services
- To capture overall policy support and trend, we need a good analytical tool: PSE/CSE/TSE

- Applied OECD methodology with some modification
- Period:1990-2008
- Commodity coverage
 - 60-70% of gross agricultural output
 - 10 standard commodities
 - other major commodities

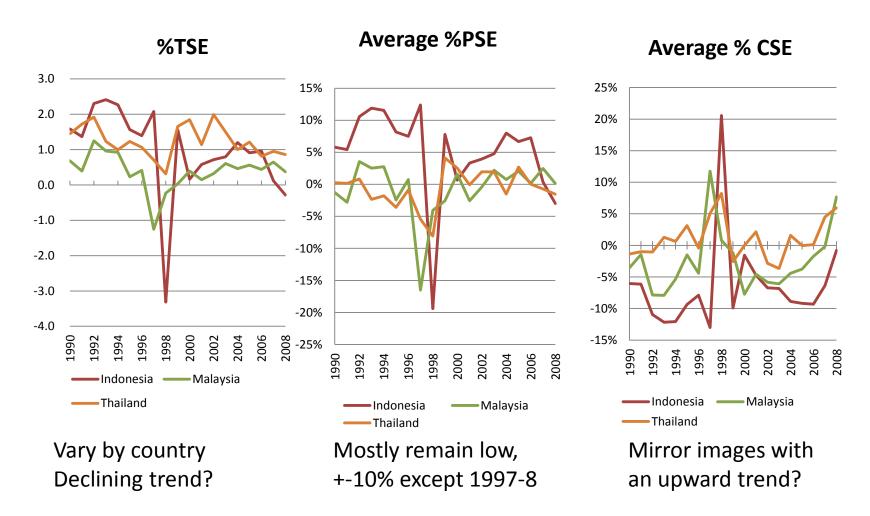
Indonesia, Malaysia, Thailand

Major AG support measures

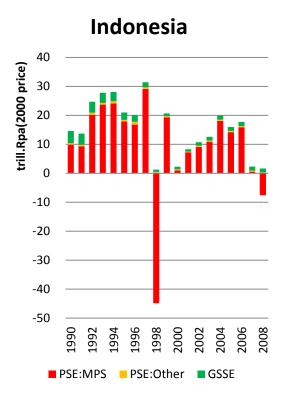
| Country | Commodities | Measures |
|------------|-------------|-------------------------------------|
| | D: | ●Market intervention by BULOG |
| | Rice | ●Minimum price, Specific duty |
| Indonesia | Sugar | ●Specific duty |
| Indonesia | Soybeans | ●Licensing, tariff |
| | Milk | ●TQ |
| | Fertilizer | ●Subsidies |
| | Rice | ●Minimum price |
| | Rice | ●Market intervention by BERNAS |
| Malayaia | Sugar | ●Licensing |
| Malaysia | Meats | ●Licensing, TQ |
| | Rubber | ●Export licensing |
| | Palm oil | ●Export licensing |
| | Rice | ●Pledging program |
| | Maize | ●Pledging program, import surcharge |
| Thailand | Cassava | ●Export licensing |
| Trialiario | Meat, | ●Licensing, tariff |
| | Milk | ●Licensing, TQ |
| | Rubber | ●Export tax |

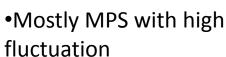
Source: WTO Trade policy review, various versions, and ASEAN secretariat

Trend of AG support: declining?

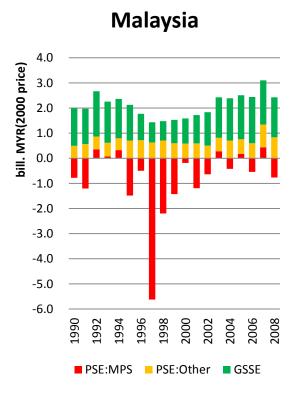


TSE composition: Policy support varies



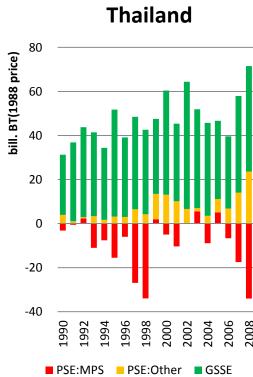


•GSSE may be underestimated due to omission of provincial support



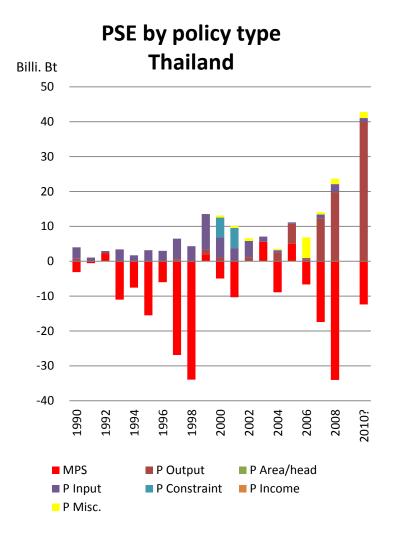
High share of GSSE and others

Producers are not protected so much



High share of GSSE which counterbalance negative MPS

Changes in PSE in Thailand

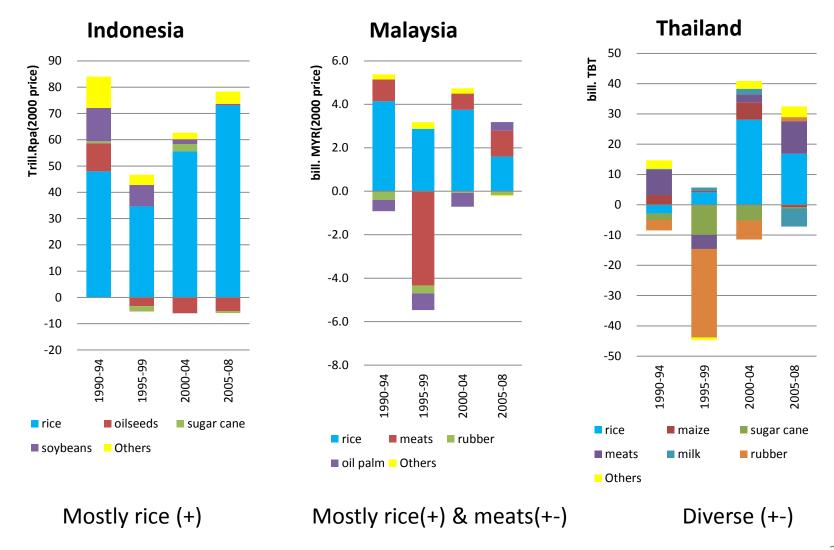


- •Because of the paddy pledging (insurance) program, PSE in Thailand is likely to increase substantially.
- •In addition, Thai government may have to bear a huge cost of storing and disposing surplus rice stocks.
- •The government loss would shoot up if international rice prices drop.
- •Even world largest exporter may be recording positive support.

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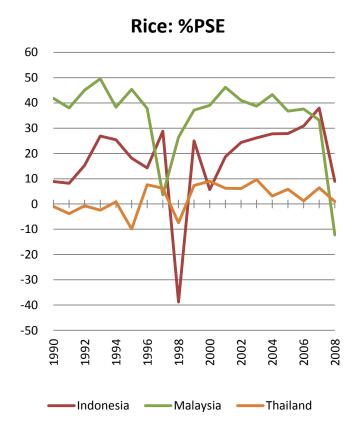
PSE by commodity:

Rice farmers are protected most



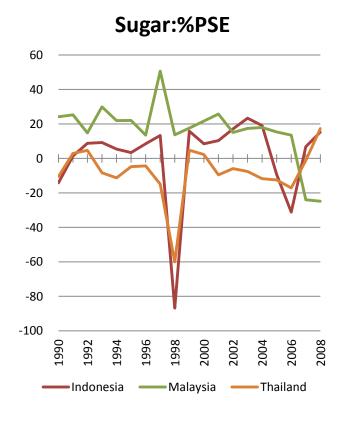
Rice and Sugar PSE:

divide between exporters/importers





Nil for exporter (Thailand)



High volatility due to abrupt changes in exch. rate and intl. prices

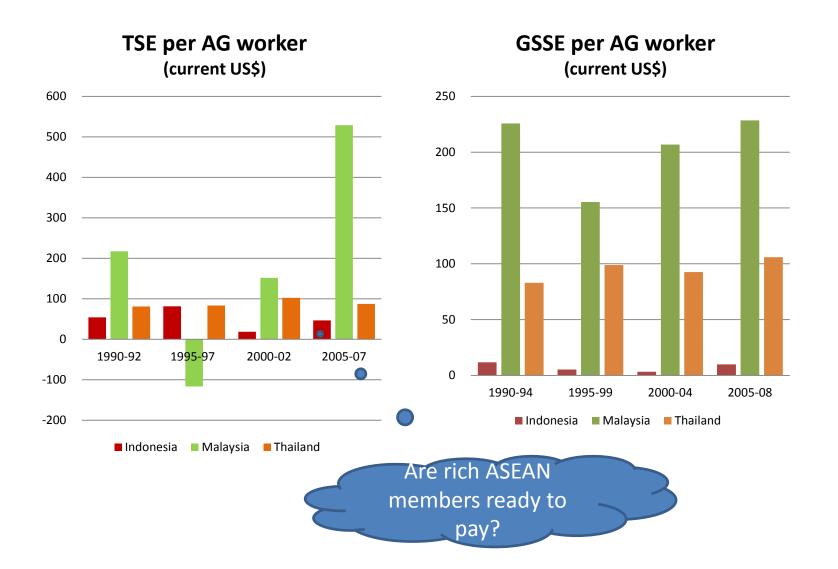
Transfer Matrix and TSE (annual average, real term, 2000 and 1988 price for Thailand)

| | | 1 | 990-94 | | | | 1 | 995-99 | 9 | | | | 2000-4 | 1 | | | | 2005-0 | 8 | |
|--------------|-------|------|--------|------|--------|-------|-------|--------|------|--------|-------|------|--------|------|--------|-------|------|--------|-------|--------|
| | | PRD | CSM | TXP | Total | | PRD | CSM | TXP | Total | | PRD | CSM | TXP | Total | | PRD | CSM | TXP | Total |
| | PRD | 0 | -16.0 | -2.0 | -18.0 | PRD | 0 | -7.6 | -0.6 | -8.3 | PRD | 0 | -10.9 | 1.3 | -9.6 | PRD | 0 | -12.6 | 6.4 | -6.1 |
| Indonesia | CSM | 16.0 | 0 | 1.7 | 17.7 | CSM | 7.6 | 0 | 2.2 | 9.8 | CSM | 10.9 | 0 | 1.9 | 12.8 | CSM | 12.6 | 0 | 1.4 | 14.0 |
| (Rpa trill.) | TXP | 2.0 | -1.7 | 3.7 | 4.0 | TXP | 0.6 | -2.2 | 1.7 | 0.1 | TXP | -1.3 | -1.9 | 1.1 | -2.1 | TXP | -6.4 | -1.4 | 1.4 | -6.5 |
| | Total | 18.0 | -17.7 | | (21.7) | Total | 8.3 | -9.8 | | (9.9) | Total | 9.6 | -12.8 | | (10.7) | Total | 6.1 | -14.0 | | (7.5) |
| | | PRD | CSM | TXP | Total | | PRD | CSM | TXP | Total | | PRD | CSM | TXP | Total | | PRD | CSM | TXP | Total |
| | PRD | 0 | -0.4 | 0.1 | -0.3 | PRD | 0 | 1.1 | 0.4 | 1.6 | PRD | 0 | -0.2 | 0.1 | -0.2 | PRD | 0 | -0.03 | -0.53 | -0.6 |
| Malaysia | CSM | 0.4 | 0 | 0.5 | 0.9 | CSM | -1.1 | 0 | 0.9 | -0.3 | CSM | 0.2 | 0 | 0.9 | 1.2 | CSM | 0.03 | 0 | -0.26 | -0.2 |
| (Rg. bill.) | TXP | -0.1 | -0.5 | 1.6 | 1.0 | TXP | -0.4 | -0.9 | 1.0 | -0.3 | TXP | -0.1 | -0.9 | 1.3 | 0.4 | TXP | 0.53 | 0.26 | 1.74 | 2.5 |
| | Total | 0.3 | -0.9 | | (1.9) | Total | -1.6 | 0.3 | | (-0.6) | Total | 0.2 | -1.2 | | (1.5) | Total | 0.56 | 0.23 | | (2.5) |
| | | PRD | CSM | TXP | Total | | PRD | CSM | TXP | Total | | PRD | CSM | TXP | Total | | PRD | CSM | TXP | Total |
| | PRD | 0 | -0.2 | 2.1 | 1.9 | PRD | 0 | 6.8 | 3.6 | 10.4 | PRD | 0 | -1.1 | -2.1 | -3.2 | PRD | 0 | 5.6 | -4.9 | 0.6 |
| Thailand | CSM | 0.2 | 0 | 0.6 | 0.8 | CSM | -6.8 | 0 | -0.1 | -6.9 | CSM | 1.1 | 0 | 0.2 | 1.3 | CSM | -5.6 | 0 | -2.7 | -8.3 |
| (Bt bill.) | TXP | -2.1 | -0.6 | 35.0 | 32.3 | TXP | -3.6 | 0.1 | 39.8 | 36.3 | TXP | 2.1 | -0.2 | 45.5 | 47.4 | TXP | 4.9 | 2.7 | 40.0 | 47.7 |
| | Total | -1.9 | -0.8 | | (33.1) | Total | -10.4 | 6.9 | | (29.4) | Total | 3.2 | -1.3 | | (48.7) | Total | -0.6 | 8.3 | | (39.4) |

Note: 1 PRD: producers, CSM: consumers, TXP: taxpayers. Figures in bracket are TSE

- •Transfers were positive for producers and negative for consumers in Indonesia
- •This was not so clear for Malaysia
- •Producers were mostly taxed but govt. supports AG sector in Thailand
- •No significant changes in real-term support to AG sector in the last 2 decades
- •Transfer patterns differ by period reflecting relative prices to intl. market

Gaps in support per AG worker



A log way to AEC-CAP

AEC-CAP

- Huge diversity in political system
- Huge disparity in economic status and policies
- A two-tier noodle bowl
- No green rate nor common fund
- No harmonized macroeconomic policies

EC-CAP

- Same political & economic system
- Less disparity in economic status and policies
- Similar AG structure and trade policies
- Same AG support mechanism since early 1962 (CAP)
- Green exchange rate, 1970?-1999
- European Agricultural Guidance and Guarantee Fund (EAGGF) 1962-2007
- Common fiscal and currency base

Challenges Long way for AEC-CAP

- ASEAN MCs are so diverse. So are their AG, AG trade and policies.
- CEPT-AFTA appears advancing but hidden barriers look resilient in AG.
- Its tangled FTA/EPA/RTA network makes market integration more difficult especially in AG.
- Huge disparities and variations in AG support remain among MCs.
- They are attributable to nations' wealth and external economic factors. Integration in macro-economic policy matters.
- The disparities may be narrowed but need enormous time and funds, much more than the case of EU-CAP.
- 2007-8 food crisis disclosed a risk of discord among MCs on national food security. Many MCs reverted to traditional selfsufficiency policies, a set back in AEC-CAP.

Implications for TPP

- Participation of some ASEAN MCs in TPP will make the regional economic integration more complicated.
- Food importing MCs would not accept complete trade liberalization for key AG commodities such as rice.
- They favor the current loose, flexible and gradual way of trade liberalization and economic integration
- But this would not help Japan. They may be eligible for special treatments for developing countries.

Thank you!