

A General Equilibrium Analysis of the Economic Impacts of Vietnam's Accession to AFTA.

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The main areas in Trade policy reforms of Vietnam

1. Relaxing the restrictions on entry into foreign trade activities.
2. Introducing market-based trade policy instruments including quantitative restrictions and tariff system.
3. Liberalizing the foreign exchange regime.
4. Participating in Regional and Multilateral Trading Agreements

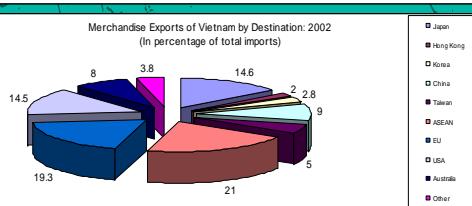
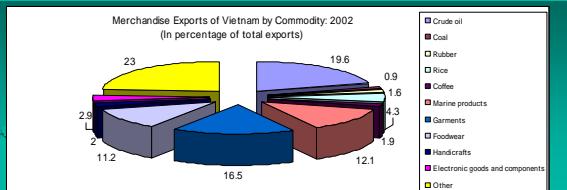
Joining Trade Agreements

1. Trade Agreement with the EU in 1992
2. Membership in ASEAN and ASEAN Free Trade Area (AFTA) since 1995
3. Membership in APEC since 1998
4. Bilateral Trade Agreement with the U. S in 2001
5. Negotiating for membership in WTO since 1995.

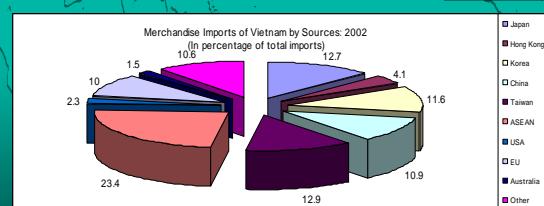
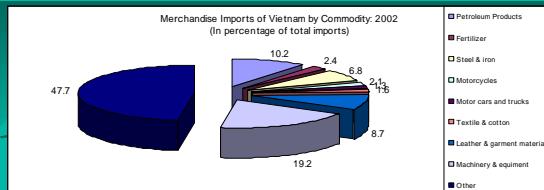
Foreign trade performance of Vietnam



Structure of Vietnam's Merchandise Exports



Structure of Vietnam's Merchandise Imports



Position of Vietnam Economy in ASEAN-10

Macro-Economic Indicators of ASEAN 10 Countries in 2002.

| | Real GDP growth rate (%) | GDP per capita in US\$ | GDP current US\$ bn | Population (mln) | Exports (US\$ mil) | Imports (US\$ mil) | Openness index (%) | Secondary Enrollment Ratio (%) |
|--------------|--------------------------|------------------------|---------------------|------------------|--------------------|--------------------|--------------------|--------------------------------|
| Brunei | 3.2 | 12,971 | 4.66 | 0.36 | na | Na | na | na |
| Cambodia | -5 | 310 | 4.09 | 13.2 | 2,360 | 2,696 | 120 | 27 |
| Indonesia | 4.1 | 972 | 205.7 | 211.7 | 61,934 | 50,689 | 54.7 | 47.4 |
| Laos | 5.9 | 362 | 2 | 5.5 | 334 | 642 | 49 | 28.6 |
| Malaysia | 5.2 | 4,175 | 101.4 | 24.3 | 108,281 | 91,673 | 155.5 | 61 |
| Myanmar | 5.1 | 179 | 8.7 | 48.8 | 1,187 | 2,524 | 49 | 34.2 |
| Philippines | 4.5 | 987 | 78.86 | 79.9 | 38,142 | 38,532 | 65.6 | 79 |
| Singapore | 1.1 | 20,987 | 88,145 | 4.2 | 124,794 | 121,084 | 270 | 84 |
| Thailand | 6.8 | 2,291 | 114,125 | 61.6 | 82,104 | 72,967 | 70 | 84.2 |
| Vietnam | 7.2 | 481 | 38.67 | 80.4 | 19,480 | 20,884 | 110 | 61.4 |
| Total | 5 | 1,887 | 646.35 | 530 | 438,616 | 401,001 | | |

Source: ASEAN Secretariat, 2003; World Bank, World Development Indicators 2003.

CEPT liberalization scheme

| Country | Inclusion List | | Temporary Exclusion List | | Sensitive List | | General Exclusion List | | Total |
|--------------|----------------|-------------|--------------------------|-------------|----------------|------------|------------------------|------------|--------------|
| | Tariff lines | Share (%) | Tariff lines | Share (%) | Tariff lines | Share (%) | Tariff lines | Share (%) | |
| Brunei | 6105 | 94 | 135 | 2.1 | 14 | 0.2 | 239 | 3.7 | 6493 |
| Indonesia | 6622 | 91.8 | 545 | 7.6 | 4 | 0.1 | 45 | 0.6 | 7216 |
| Laos | 533 | 15 | 2831 | 79.7 | 96 | 2.7 | 91 | 2.6 | 3551 |
| Malaysia | 8648 | 95.1 | 276 | 3 | 104 | 1.1 | 63 | 0.7 | 9091 |
| Myanmar | 2356 | 43.1 | 2987 | 54.6 | 21 | 0.4 | 108 | 2 | 5472 |
| Philippine | 5221 | 91.6 | 385 | 6.8 | 68 | 1.2 | 28 | 0.5 | 5702 |
| Singapore | 5739 | 98 | 0 | 0 | 0 | 0 | 120 | 2 | 5859 |
| Thailand | 9040 | 99.1 | 79 | 0.9 | 7 | 0.1 | 0 | 0 | 9126 |
| Vietnam | 1718 | 57 | 1147 | 38 | 23 | 0.8 | 127 | 4.2 | 3015 |
| Total | 45982 | 82.8 | 8385 | 15.1 | 337 | 0.6 | 821 | 1.5 | 55525 |

Source: ASEAN Secretariat, CEPT Product Lists, 1998.

Structure of Trade of Vietnam with ASEAN-10

Trade with ASEAN by SITC 1-digit commodity in 2002.

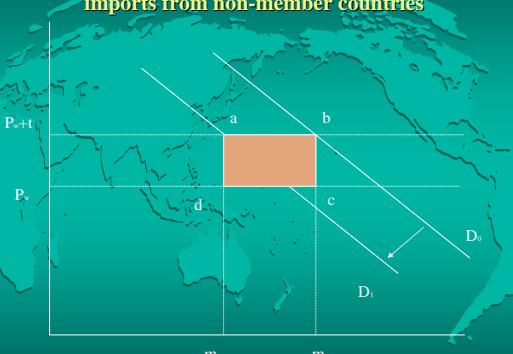
| SITC Code | Section | Exports to ASEAN | | Imports from ASEAN | |
|---|---------|-------------------|-------------|--------------------|-------------|
| | | Value (US\$ 1000) | Share (%) | Value (US\$ 1000) | Share (%) |
| Total | | 2,424,915 | 100 | 4,769,177 | 100 |
| I Primary Products (0-4) | | | | | |
| 0 Food & live animal | | 1,681,771 | 69.11 | 1,820,515 | 40.3 |
| 1 Beverages & tobacco | | 469,809 | 19.3 | 184,028 | 3.9 |
| 2 Crude materials, except fuels | | 9,944 | 0.4 | 104,822 | 2.2 |
| 3 Mineral fuels, lubricants & related materials | | 127,709 | 5.2 | 280,327 | 5.9 |
| 4 Animal & vegetable oils, fats | | 1,073,642 | 44.1 | 1,252,581 | 26.3 |
| | | 667 | 0.03 | 98,758 | 2.1 |
| II Manufactured Products (5-8) | | 753,144 | 30.9 | 2,848,615 | 59.7 |
| 5 Chemical & related products | | 84,819 | 3.5 | 912,727 | 19.1 |
| 6 Manufactured products | | 180,782 | 7.4 | 741,993 | 15.6 |
| 7 Machinery and transports | | 350,064 | 14.4 | 1,025,390 | 21.5 |
| 8 Miscellaneous manufactures | | 137,480 | 5.6 | 168,505 | 3.5 |
| 9 Commodities not classified | | 0 | 0 | 47 | 0 |

Source: General Statistics Office, International Merchandise Trade of Vietnam, 2002.

Theoretical Impacts of Vietnam's liberalization of ASEAN members' imports



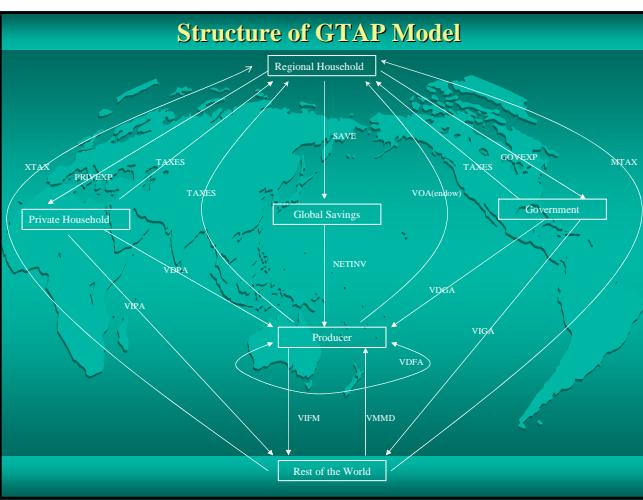
Theoretical Impact of preferential liberalization on imports from non-member countries



Theoretical Impact of improved access to member market



Structure of GTAP Model



Main assumptions:

1. Firm use constant return to scale technology in perfect competitive markets.
2. Household consumption behavior is represented by constant difference elasticities expenditure function (Hanoch, 1975).
3. Different elasticities of private demand for imports by country of origin (Amington, 1969).

Composition of Database (GTAP 5.4 includes database for 57 sectors and 78 regions at the based year of 1997):

1. International trade and transport data.
2. Supports and Protection data.
3. Input-output table data.

Simulation Designs.

- Scenario 1: AFTA1, Vietnam liberalizes the products in the Inclusion List and Temporary Excluding List and the ASEAN-5 members reciprocate the concessions.
- Scenario 2: AFTA2, Scenario 1 plus liberalization of products in the Sensitive List and ASEAN-5 members reciprocate the concessions.
- Scenario 3: AFTA3, Scenario 2 plus liberalization of products in the General Exclusion List and ASEAN-5 members reciprocate concessions.

Regions Aggregation Scheme

| | |
|------------------------|---------------------------|
| 1. VNM: Vietnam | 5. SGP: Singapore |
| 2. IND: Indonesia | 6. THA: Thailand |
| 3. MYS: Malaysia | 7. JPN: Japan |
| 4. PHL: The Philippine | 8. ROW: Rest of the world |

Sector Aggregation Scheme

| 1. AGR (Agricultures and Forestry) | 3. FOODS | 8. AUTO (auto vehicle and others) |
|--|-----------------------------------|-----------------------------------|
| 1. paddy rice | 19. bovine meat products | 38. motor vehicle and parts |
| 2. wheat | 20. meat products nec | 39. transport equipments nec |
| 3. cereal grains nec | 21. vegetables oil and fats | 40. electronic equipments |
| 4. vegetables, fruits, nuts | 22. dairy products | 41. machinery equipment and nec |
| 5. oil seeds | 23. processed rice | 42. manufactures nec |
| 6. sugar cane, sugar beet | 25. food products nec | |
| 7. plant based fibers | | |
| 8. crops nec | | |
| 9. bovine cattle, sheep, goats, horses | | |
| 10. animal products nec | | |
| 11. raw milk | | |
| 12. wool, silk-worm cocoons | | |
| 13. forestry | | |
| 14. fishing | | |
| 24. sugar | | |
| 2. RESOURCE (natural resources) | | |
| 15. coal | 10. SVCS (services) | |
| 16. oil | 43. electricity | |
| 17. gas | 44. gas manuf., distribution | |
| 18. mineral nec | 45. water | |
| | 46. construction | |
| | 47. trade | |
| | 48. transport nec | |
| | 49. water transport | |
| | 50. air transport | |
| | 51. communication | |
| | 52. financial services nec | |
| | 53. insurance | |
| | 54. business service nec | |
| | 55. recreational & other services | |
| | 56. public services | |
| | 57. dwelling | |
| 7.BASMANU(basic manufacturing) | | |
| | 58. metal nec | |
| | 59. metal products | |

Structure of Trade protection between Vietnam and ASEAN -5 in 1997

| Products | Ad Valorem Import tax rates Imposed by Vietnam on Imports from ASEAN-5 members countries (%) | | | | | Ad Valorem Import tax rates imposed by ASEAN-5 members countries on Vietnam's exports in (%) | | | | |
|------------|--|-------|-------|-------|-------|--|-------|-------|------|-------|
| | IND | MYS | PHL | SGP | THA | IND | MYS | PHL | SGP | THA |
| 1 AGR | 0.76 | 2.53 | 8.04 | 20.12 | 0.39 | 4.11 | 69.89 | 11.6 | 0.39 | 18.37 |
| 2 NATFUEL | 2.32 | 4.39 | 1.44 | 0.74 | 1.71 | 2.71 | 0.18 | 0 | 0 | 3.13 |
| 3 FOOD | 30.07 | 20.27 | 11.27 | 32.56 | 1.35 | 3.98 | 32.55 | 49.64 | 7.77 | 40.33 |
| 4 BEVTAB | 99.14 | 96.33 | 36.1 | 99.96 | 75 | 86.11 | 9.44 | 17.03 | 0 | 50.96 |
| 5 LIGHMANU | 21.1 | 9.19 | 15.07 | 26.04 | 23.91 | 19.07 | 21.05 | 32 | 0 | 41.47 |
| 6 FUELS | 0 | 38.6 | 6.53 | 38.73 | 34.74 | 0 | 0 | 0 | 0 | 0 |
| 7 BASMANU | 5.1 | 9.69 | 2.11 | 9.75 | 9.28 | 8.99 | 2.32 | 0 | 0 | 14.27 |
| 8 AUTO | 47.5 | 38.08 | 15.93 | 21.79 | 52.88 | 3.47 | 26.19 | 0 | 0 | 10.67 |
| 9 ELEMACH | 14.55 | 23.67 | 3.71 | 9.81 | 13.81 | 1.34 | 6.92 | 0 | 0 | 6.87 |

Source: GTAP 5.4 data base.

Changes in exports structure of Vietnam after AFTA 1 liberalization

AFTA 1 (%)

| Sector | 2 IND | 3 MYS | 4 PHL | 5 SGP | 6 THA | 7 JPN | 8 ROW | Total |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 AGR | -12.96 | -12.83 | -14.27 | -12.63 | -12.94 | -12.62 | -13.36 | -13.21 |
| 2 NATFUEL | -0.94 | -0.85 | -0.68 | -1.00 | -0.93 | -0.99 | -1.01 | -1.00 |
| 3 FOOD | 7.67 | 145.64 | 282.19 | 25.23 | 219.31 | 9.96 | 9.80 | 28.67 |
| 4 BEVTAB | 0.00 | 0.00 | 0.00 | -6.27 | -8.33 | -6.97 | -6.94 | -6.77 |
| 5 LIGHMANU | 112.95 | 133.60 | -0.48 | 0.92 | 492.12 | 0.44 | 0.44 | 2.14 |
| 6 FUELS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 BASMANU | 44.34 | 7.40 | -3.42 | -3.27 | 79.33 | -3.49 | -3.48 | -1.83 |
| 8 AUTO | 0.00 | -3.33 | -1.61 | -2.14 | 0.00 | -2.07 | -2.05 | -2.06 |
| 9 ELECMACH | 9.42 | 47.84 | 1.60 | 1.63 | 47.12 | 1.53 | 1.52 | 10.87 |
| 10 Svces | -7.73 | -7.80 | -8.03 | -7.59 | -7.55 | -7.74 | -7.74 | -7.74 |
| Total | -2.84 | 76.93 | 102.19 | -1.37 | 68.36 | -2.99 | -3.51 | 2.81 |

Changes in exports structure of Vietnam after AFTA 2 liberalization

AFTA 2 (%)

| Sector | 2 IND | 3 MYS | 4 PHL | 5 SGP | 6 THA | 7 JPN | 8 ROW | Total |
|------------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1 AGR | -4.30 | 781.11 | 30.15 | -18.88 | 73.50 | -19.87 | -20.98 | -3.78 |
| 2 NATFUEL | -1.18 | -0.85 | -0.93 | -1.24 | -1.21 | -1.22 | -1.25 | -1.23 |
| 3 FOOD | 2.05 | 133.16 | 264.67 | 18.45 | 201.77 | -14.91 | -14.68 | 22.00 |
| 4 BEVTAB | 0.00 | -14.29 | 0.00 | -8.36 | -8.33 | -8.96 | -9.10 | -9.01 |
| 5 LIGHMANU | 110.79 | 130.83 | -0.72 | -0.39 | 484.93 | -0.79 | -0.82 | 0.87 |
| 6 FUELS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 BASMANU | 42.45 | 6.11 | -4.47 | -4.40 | 77.37 | -4.60 | -4.61 | -2.97 |
| 8 AUTO | 0.00 | -3.33 | -3.23 | -3.42 | 0.00 | -3.45 | -3.57 | -3.56 |
| 9 ELECMACH | 8.32 | 46.39 | 0.61 | 0.66 | 45.67 | 0.54 | 0.53 | 9.78 |
| 10 Svces | -8.79 | -8.81 | -9.24 | -8.62 | -8.78 | -8.88 | -8.88 | -8.88 |
| Total | 0.08 | 161.52 | 96.62 | -3.55 | 68.73 | -4.88 | -5.70 | 2.19 |

Changes in exports structure of Vietnam after AFTA 3 liberalization

AFTA 3 (%)

| Sector | 2 IND | 3 MYS | 4 PHL | 5 SGP | 6 THA | 7 JPN | 8 ROW | Total |
|------------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1 AGR | -3.72 | 786.40 | 30.89 | -17.22 | 74.11 | -19.40 | -20.49 | -3.08 |
| 2 NATFUEL | 15.47 | 1.69 | -0.51 | 2.10 | 20.32 | -0.54 | -0.56 | 0.34 |
| 3 FOOD | 6.48 | 143.13 | 278.27 | 24.02 | 215.55 | 11.06 | 10.89 | 27.21 |
| 4 BEVTAB | 355.00 | 85.71 | 100.00 | 5.57 | 123.00 | 5.97 | 5.69 | 21.97 |
| 5 LIGHMANU | 121.58 | 142.72 | -4.34 | 4.88 | 515.24 | 4.26 | 4.35 | 6.09 |
| 6 FUELS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 BASMANU | 50.94 | 12.44 | 0.92 | 1.18 | 87.99 | 0.92 | 0.91 | 2.67 |
| 8 AUTO | 155.56 | 181.00 | 77.42 | 80.34 | 550.00 | 78.28 | 78.29 | 13.00 |
| 9 ELECMACH | 14.57 | 54.74 | 6.30 | 6.35 | 54.10 | 6.23 | 6.21 | 16.03 |
| 10 Svces | -0.91 | -1.02 | -1.20 | -0.69 | -0.41 | -1.04 | -1.03 | -1.03 |
| Total | 7.46 | 173.70 | 104.97 | 0.77 | 79.67 | -0.93 | -1.06 | 7.06 |

Changes in imports structure of Vietnam after AFTA 1 liberalization

AFTA 1 (%)

| Sector | 2 IND | 3 MYS | 4 PHL | 5 SGP | 6 THA | 7 JPN | 8 ROW | Total |
|------------|--------|--------|-------|--------|--------|--------|--------|-------|
| 1 AGR | 0.00 | 8.50 | 0.00 | 8.03 | 14.29 | 8.33 | 8.44 | 8.43 |
| 2 NATFUEL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 FOOD | 193.06 | 68.12 | 21.63 | 156.87 | 0.00 | -7.61 | -7.58 | 16.89 |
| 4 BEVTAB | 3.13 | 2.91 | 0.00 | 2.12 | 0.00 | 2.63 | 2.81 | 2.77 |
| 5 LIGHMANU | 113.16 | 14.97 | 57.93 | 169.82 | 144.55 | -8.84 | -8.84 | 3.64 |
| 6 FUELS | 1.09 | 0.78 | 0.89 | 0.80 | 0.80 | 0.86 | 0.86 | 0.85 |
| 7 BASMANU | 15.68 | 40.98 | 1.87 | 41.13 | 38.58 | -7.99 | -8.00 | 2.83 |
| 8 AUTO | 0.31 | 0.29 | 0.92 | -0.18 | 0.28 | 0.73 | 0.73 | 0.66 |
| 9 ELECMACH | 81.36 | 178.26 | 4.31 | 42.92 | 74.93 | -15.10 | -15.10 | 2.91 |
| 10 Svces | 3.60 | 3.73 | 4.37 | 3.41 | 3.50 | 3.85 | 3.85 | 3.85 |
| Total | 36.53 | 71.27 | 4.15 | 42.15 | 36.91 | -7.41 | -7.09 | 3.17 |

Changes in imports structure of Vietnam after AFTA 2 liberalization

AFTA 2 (%)

| Sector | 2 IND | 3 MYS | 4 PHL | 5 SGP | 6 THA | 7 JPN | 8 ROW | Total |
|------------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1 AGR | 25.00 | 26.80 | 100.00 | 159.85 | 14.29 | 11.46 | 11.36 | 15.32 |
| 2 NATFUEL | 0.00 | -1.59 | 0.00 | 0.00 | 0.00 | -0.78 | -0.80 | |
| 3 FOOD | 198.98 | 72.30 | 23.92 | 161.95 | 0.00 | -5.75 | -5.76 | 19.33 |
| 4 BEVTAB | 3.13 | 4.00 | 0.00 | 3.25 | 0.00 | 3.95 | 3.84 | 3.80 |
| 5 LIGHMANU | 112.14 | 14.92 | -57.24 | 168.52 | 143.35 | -9.29 | -9.29 | 3.13 |
| 6 FUELS | 1.09 | 0.81 | 0.91 | 0.84 | 0.84 | 0.90 | 0.90 | 0.88 |
| 7 BASMANU | 15.70 | 41.02 | 1.85 | 41.14 | 38.60 | -7.99 | -7.99 | 2.84 |
| 8 AUTO | 0.76 | 0.58 | 1.83 | 0.18 | 0.63 | 1.09 | 1.08 | 1.01 |
| 9 ELECMACH | 81.79 | 178.82 | 4.50 | 43.25 | 75.34 | -14.90 | -14.90 | 3.16 |
| 10 Svces | 4.05 | 4.07 | 4.76 | 3.75 | 4.12 | 4.31 | 4.31 | 4.31 |
| Total | 36.50 | 72.26 | 4.23 | 42.70 | 36.93 | -7.26 | -6.97 | 3.35 |

Changes in imports structure of Vietnam after AFTA 3 liberalization

AFTA 3

| Sector | 2 IND | 3 MYS | 4 PHL | 5 SGP | 6 THA | 7 JPN | 8 ROW | Total |
|------------|---------|---------|--------|---------|--------|--------|--------|-------|
| 1 AGR | 25.00 | 24.18 | 100.00 | 155.11 | 14.29 | 9.38 | 9.38 | 13.26 |
| 2 NATFUEL | 0.00 | 23.81 | 5.56 | 0.00 | 7.69 | -2.17 | -1.34 | 0.06 |
| 3 FOOD | 192.05 | 68.35 | 21.12 | 155.81 | 0.00 | -7.85 | -7.86 | 16.64 |
| 4 BEVTAB | 1925.00 | 1770.55 | 0.00 | 1977.28 | 0.00 | -71.05 | -71.61 | 97.78 |
| 5 LIGHMANU | 115.83 | 16.94 | 60.23 | 172.97 | 145.12 | -7.58 | -7.61 | 4.96 |
| 6 FUELS | -38.04 | 114.12 | -20.82 | 115.82 | 92.82 | -37.73 | -37.74 | 4.85 |
| 7 BASMANU | 14.74 | 39.81 | 1.08 | 39.89 | 36.54 | -8.66 | -8.68 | 1.97 |
| 8 AUTO | 511.76 | 205.78 | -52.29 | -20.47 | 774.15 | -88.23 | -88.24 | 19.25 |
| 9 ELECMACH | 79.48 | 175.09 | 3.13 | 41.26 | 71.83 | -15.93 | -15.96 | 1.80 |
| 10 Svces | 0.00 | 0.00 | 0.79 | -0.34 | -0.82 | 0.36 | 0.33 | 0.32 |
| Total | 50.01 | 100.60 | -4.28 | 72.65 | 174.83 | -26.73 | -15.80 | 5.24 |

The effects on sectoral outputs

The effects on output in Vietnam by sector (in 1997 US\$ mil)

| Sector | Output values by trade-goods sectors in 1997 | Changes after AFTA liberalization | | |
|------------|--|-----------------------------------|---------|---------|
| | | AFTA 1 | AFTA 2 | AFTA 3 |
| 1 AGR | 4555.47 | 17.04 | 47.02 | 72.34 |
| 2 NATFUEL | 2452.34 | -27.41 | -31.86 | -6.03 |
| 3 FOOD | 2945.74 | 268.36 | 182.08 | 236.08 |
| 4 BEVTAB | 437.07 | -5.02 | -6.51 | -125.91 |
| 5 LIGHMANU | 4717.58 | 30.86 | 32.1 | 193.04 |
| 6 FUELS | 6.82 | -0.25 | -0.29 | -1.5 |
| 7 BASMANU | 3048.99 | -119.1 | -134.47 | -68.95 |
| 8 AUTO | 212.51 | -1.88 | -3.29 | -77.54 |
| 9 ELECMACH | 1915.4 | 21.46 | 9.15 | 77.17 |

The effects on returns to production factors

Change in Returns to Production Factors (in 1997 US\$ mil)

| Factor | Values of returns to production factors in 1997 | Changes after AFTA liberalization | | |
|---------------------|---|-----------------------------------|----------------|----------------|
| | | AFTA 1 | AFTA 2 | AFTA 3 |
| 1 Land | 1078.58 | 73.1(6.8%) | 141.94(13.16%) | 179.85(16.67%) |
| 2 Unskilled Labors | 6004.58 | 222.49(3.7) | 250.77(4.17) | 161.15(2.68) |
| 3 Skilled Labors | 1727.96 | 60.35(3.5) | 66.83(3.86) | 35.07(0.58) |
| 4 Capital | 8975.04 | 297.11(3.3) | 335.3(3.73) | 170.66(1.9) |
| 5 Natural Resources | 586.27 | -13.1(-2.2) | -7.47(-1.27) | 25.75(4.39) |
| Total | 18372.42 | 639.06(3.5) | 787.38(4.28) | 572.48(3.1) |

Impacts on macroeconomic conditions

Change in Macroeconomic Indicators (%)

| Variables | AFTA 1 | AFTA 2 | AFTA 3 |
|---------------------------|--------|--------|--------|
| Total export changes | 2.8 | 2.1 | 7 |
| - To ASEAN | 43.1 | 52.15 | 59.71 |
| - To ROW | -3.3 | -5.48 | -1.02 |
| Total import changes | 3.18 | 3.34 | 5.23 |
| - From ASEAN | 41.87 | 42.25 | 91.37 |
| - From ROW | -7.1 | -7.01 | -17.7 |
| Changes in real GDP | 1.7 | 2.44 | -1.35 |
| Changes in Tariff Revenue | -0.2 | -0.45 | -31.66 |

Change in Final Demand Structure (in 1997 US\$ mil).

| | Value of final demands in 1997 | Change after liberalization | | |
|-------------|--------------------------------|-----------------------------|--------|--------|
| | | AFTA 1 | AFTA 2 | AFTA 3 |
| Consumption | 15469 | 298 | 411 | -200 |
| Investment | 7247 | 107 | 149 | -99 |
| Government | 2203 | 40 | 56 | -41 |
| Exports | 9303 | 333 | 334 | 691 |
| Imports | -12376 | -391 | -414 | -647 |
| Total | 21846 | 388 | 565 | -296 |

Conclusions

- Trade liberalization under CEPT scheme (the IL and TEL) have positive impacts on overall economic growth of Vietnam while liberalization of industries in GEL may negatively affect GDP growth.
- Due to the discriminatory nature of AFTA liberalization, the crowding out effect on trade volume with the non-member countries reduce the total change in expansion of trade of Vietnam.
- The most fruitful impacts of trade liberalization toward agriculture sectors and labor intensive sectors, which account for the most portion of the poorest population of Vietnam, particularly in AFTA 2 scenario.
- Because of the static nature of GTAP model, the dynamic effects of trade liberalization under AFTA could not be evaluated within the working model framework.

Thank you very much.