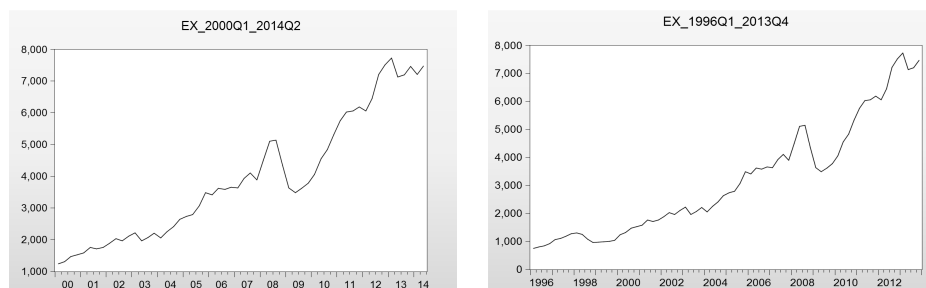
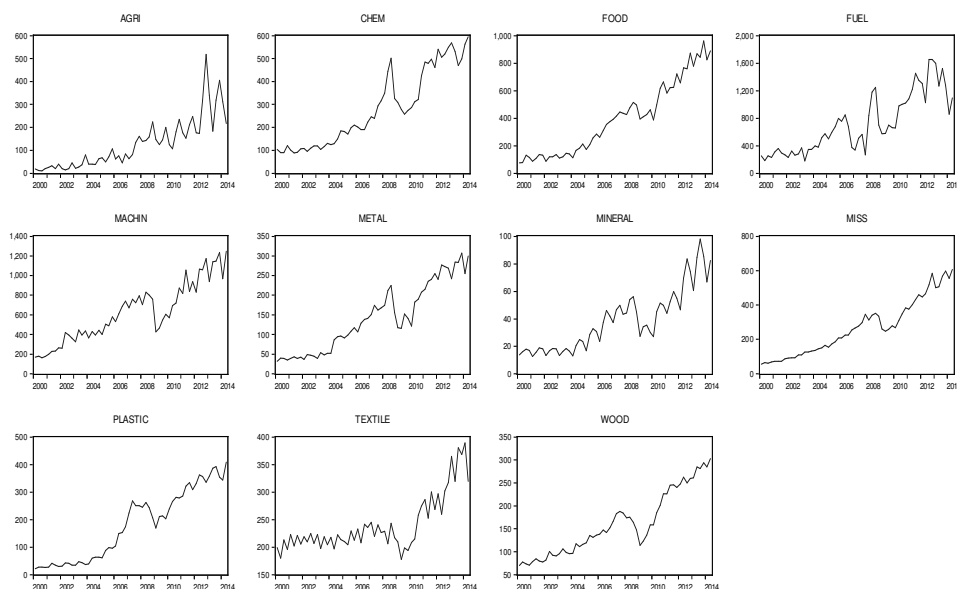


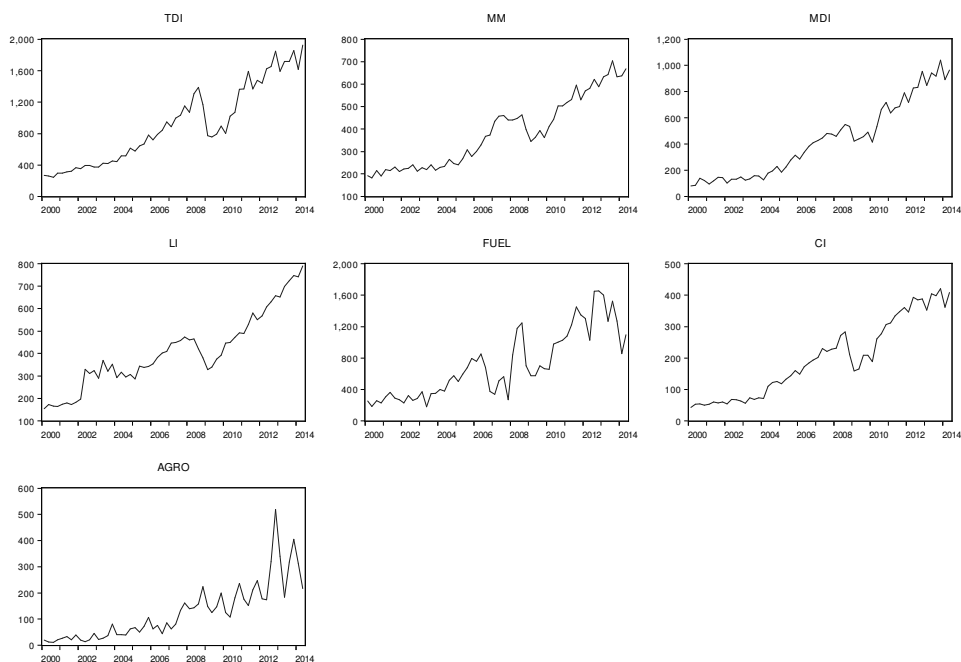
## Annex D. The Results of Practical Implementation of the Investigated Model



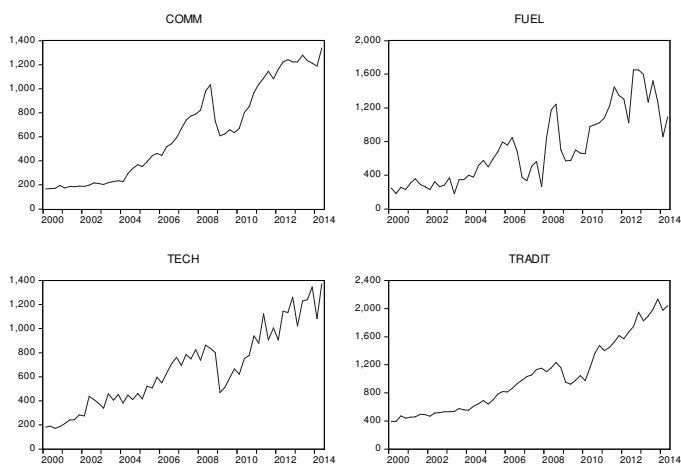
**Fig. D.1.** Export indicators (endogenous variables)



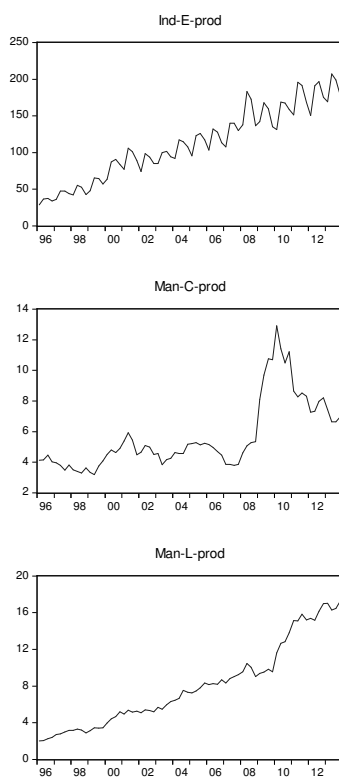
**Fig. D.2.** Export by the nature of goods (2000Q1–2014Q2)  
(exogenous variables for the first equation)



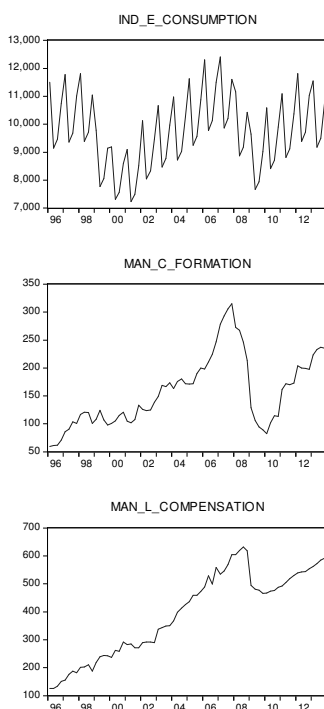
**Fig. D.3.** Export of goods by the factor-input aspect (2000Q1–2014Q2)  
(exogenous variables for the second equation)



**Fig. D.4.** Export of goods by sectorial composition  
(exogenous variables for the third equation)



**Fig. D.5.** Productivity ratios (exogenous variables)



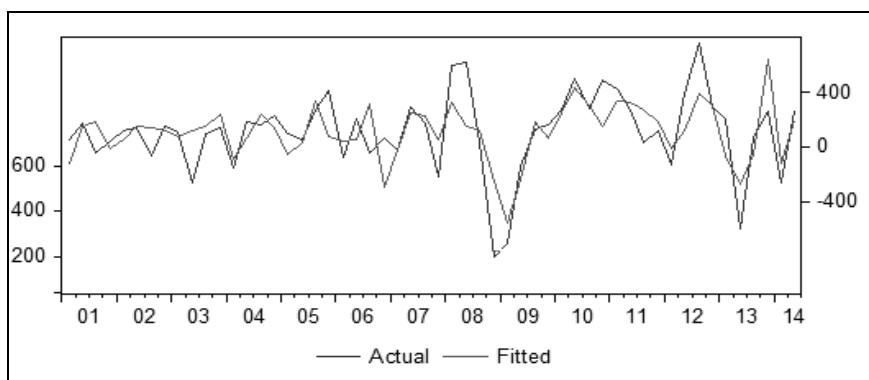
**Fig. D.6.** Main factors of production (exogenous variables)

**Table D.1.** The empirical founding of the unit root tests – 1 equation

| Series           | t-Stat  | Prob.  | Obs | Unit root in   |
|------------------|---------|--------|-----|----------------|
| AGRI             | -8.5374 | 0.0000 | 49  | 2nd difference |
| CHEM             | -6.8653 | 0.0000 | 56  | 1st difference |
| EX_2000Q1_2014Q2 | -5.2894 | 0.0000 | 56  | 1st difference |
| FOOD             | -3.0585 | 0.0361 | 52  | 1st difference |
| FUEL             | -5.4476 | 0.0000 | 51  | 1st difference |
| MACHIN           | -3.0593 | 0.0359 | 53  | 1st difference |
| METAL            | -3.2216 | 0.0242 | 53  | 1st difference |
| MINERAL          | -3.4345 | 0.0141 | 52  | 1st difference |
| MISS             | -3.2796 | 0.0210 | 52  | 1st difference |
| PLASTIC          | -4.5623 | 0.0005 | 50  | 1st difference |
| TEXTILE          | -5.5288 | 0.0000 | 48  | 2nd difference |
| WOOD             | -3.5013 | 0.0118 | 52  | 1st difference |

**Table D.2.** Test for Lag Length Criteria – 1 equation

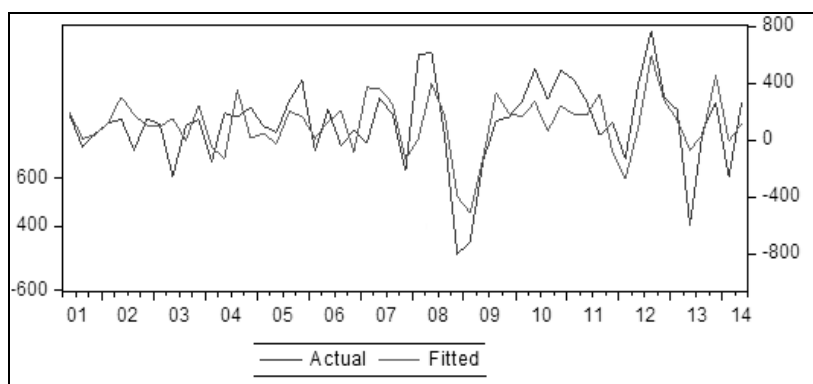
| Lag | LogL      | LR        | FPE       | AIC       | SC        | HQ        |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|
| 0   | -3146.591 | NA        | 1.04e+36  | 116.9848  | 117.4268  | 117.1553  |
| 1   | -2841.298 | 463.5922  | 2.97e+33  | 111.0110  | 116.7570* | 113.2270  |
| 2   | -2608.965 | 249.5433* | 2.50e+32* | 107.7394* | 118.7893  | 112.0010* |

**Fig. D.7.** The graph of actual and fitted values of equation**Table D.3.** The empirical founding of the unit root tests – 2 equation

| Series           | t-Stat   | Prob.  | Obs | Unit root in   |
|------------------|----------|--------|-----|----------------|
| AGRI             | -8.5374  | 0.0000 | 49  | 2nd difference |
| CI               | -11.8183 | 0.0000 | 53  | 2nd difference |
| EX_2000Q1_2014Q2 | -5.2891  | 0.0000 | 56  | 1st difference |
| FUEL             | -5.4476  | 0.0000 | 51  | 1st difference |
| LI               | -4.2252  | 0.0014 | 55  | 1st difference |
| MDI              | -3.0578  | 0.0362 | 52  | 1st difference |
| MM               | -4.3481  | 0.0011 | 50  | 1st difference |
| TDI              | -4.5232  | 0.0006 | 52  | 1st difference |

**Table D.4.** Test for Lag Length Criteria – 2 equation

| Lag | LogL      | LR        | FPE       | AIC       | SC        | HQ        |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|
| 0   | -2366.644 | NA        | 1.14e+29  | 89.60920  | 89.90660  | 89.72356  |
| 1   | -2219.639 | 244.0826  | 5.11e+27  | 86.47696  | 89.15358* | 87.50626  |
| 2   | -2107.281 | 152.6381  | 9.68e+26  | 84.65211  | 89.70795  | 86.59634  |
| 3   | -2009.690 | 103.1147* | 4.32e+26* | 83.38453* | 90.81960  | 86.24370* |



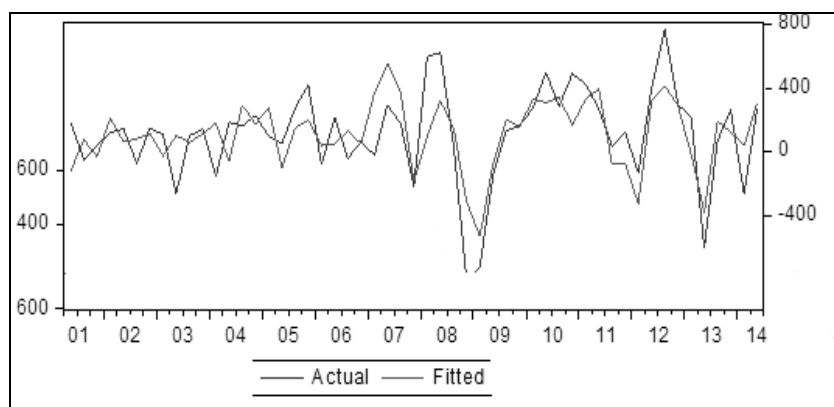
**Fig. D.8.** The graph of actual and fitted values of equation

**Table D.5.** The empirical founding of the unit root tests – 3 equation

| Series           | t-Stat  | Prob.  | Obs | Unit root in   |
|------------------|---------|--------|-----|----------------|
| COMM             | -5.7145 | 0.0000 | 55  | 1st difference |
| EX_2000Q1_2014Q2 | -5.2891 | 0.0000 | 56  | 1st difference |
| FUEL             | -5.4476 | 0.0000 | 51  | 1st difference |
| TECH             | -3.0566 | 0.0361 | 53  | 1st difference |
| TRADIT           | -3.2183 | 0.0245 | 52  | 1st difference |

**Table D.6.** Test for Lag Length Criteria – 3 equation

| Lag | LogL      | LR        | FPE       | AIC       | SC        | HQ        |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|
| 0   | -1613.638 | NA        | 2.32e+20  | 61.08067  | 61.26655  | 61.15215  |
| 1   | -1550.984 | 111.1225  | 5.62e+19  | 59.65976  | 60.77502* | 60.08864  |
| 2   | -1514.664 | 57.56266  | 3.76e+19  | 59.23262  | 61.27726  | 60.01889  |
| 3   | -1474.386 | 56.23715  | 2.26e+19  | 58.65609  | 61.63012  | 59.79976* |
| 4   | -1440.746 | 40.62180* | 1.86e+19* | 58.33006* | 62.23346  | 59.83112  |



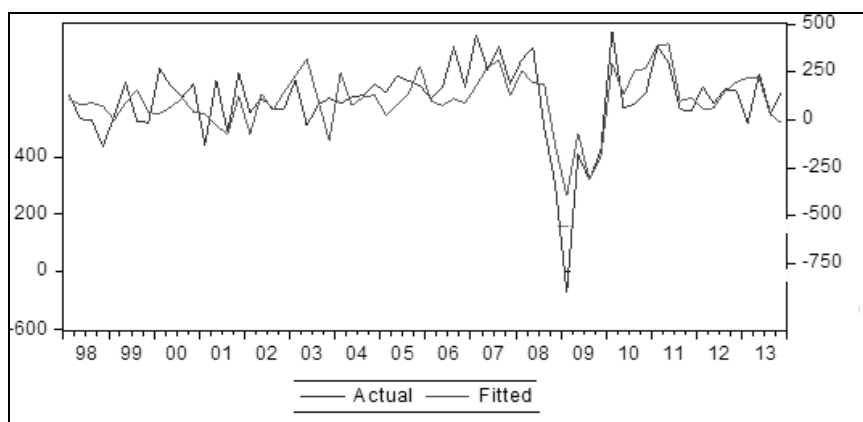
**Fig. D.9.** The graph of actual and fitted values of equation

**Table D.7.** The empirical founding of the unit root tests – 4 equation

| Series           | t-Stat  | Prob.  | Obs | Unit root in   |
|------------------|---------|--------|-----|----------------|
| EX_1996Q1_2013Q4 | -5.5763 | 0.0000 | 70  | 1st difference |
| IND_E_PROD       | -4.7373 | 0.0002 | 65  | 1st difference |
| MAN_C_PROD       | -7.3507 | 0.0000 | 70  | 1st difference |
| MAN_L_PROD       | -8.0985 | 0.0000 | 70  | 1st difference |

**Table D.8.** Test for Lag Length Criteria – 4 equation

| Lag | LogL      | LR        | FPE       | AIC       | SC        | HQ        |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|
| 0   | -824.5764 | NA        | 2066804.  | 25.89301  | 26.02794* | 25.94617  |
| 1   | -803.8732 | 38.17141  | 1786568.  | 25.74604  | 26.42069  | 26.01182  |
| 2   | -772.2643 | 54.32779  | 1103787.  | 25.25826  | 26.47263  | 25.73666  |
| 3   | -744.3374 | 44.50851  | 772166.8  | 24.88555  | 26.63964  | 25.57657  |
| 4   | -695.3036 | 72.01847  | 283207.5  | 23.85324  | 26.14705  | 24.75689* |
| 5   | -678.8246 | 22.14358  | 292894.1  | 23.83827  | 26.67180  | 24.95454  |
| 6   | -659.9730 | 22.97542  | 288643.4  | 23.74916  | 27.12241  | 25.07805  |
| 7   | -633.2054 | 29.27704* | 229846.6* | 23.41267* | 27.32565  | 24.95419  |
| 0   | -824.5764 | NA        | 2066804.  | 25.89301  | 26.02794* | 25.94617  |



**Fig. D.10.** The graph of actual and fitted values of equation

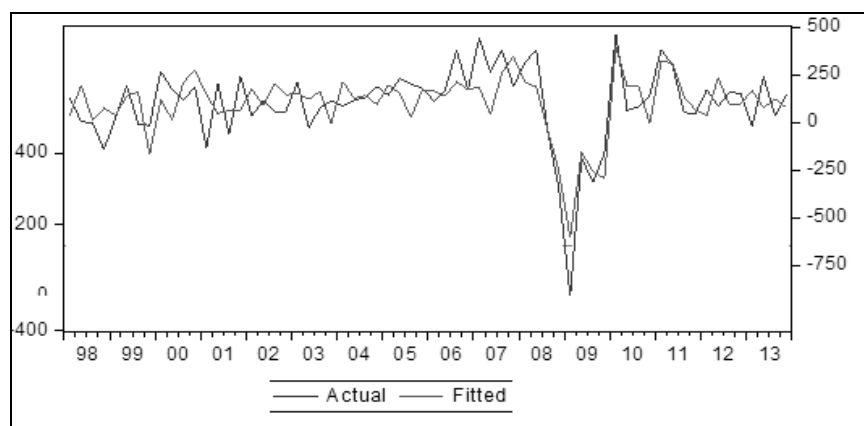
**Table D.9.** The empirical founding of the unit root tests – 5 equation

| Series             | t-Stat  | Prob.  | Obs | Unit root in   |
|--------------------|---------|--------|-----|----------------|
| EX_1996Q1_2013Q4   | -5.5763 | 0.0000 | 70  | 1st difference |
| IND_E_CONSUMPTION  | -4.3975 | 0.0001 | 67  | 2nd difference |
| MAN_C_FORMATION    | -5.5668 | 0.0000 | 70  | 1st difference |
| MAN_L_COMPENSATION | -8.2579 | 0.0000 | 70  | 1st difference |

**Table D.10.** Test for Lag Length Criteria – 5 equation

| Lag | LogL      | LR        | FPE       | AIC       | SC        | HQ        |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|
| 0   | -1628.585 | NA        | 3.59e+16  | 49.47227  | 49.60497  | 49.52470  |
| 1   | -1608.226 | 37.63222  | 3.15e+16  | 49.34019  | 50.00373  | 49.60239  |
| 2   | -1585.993 | 38.40311  | 2.63e+16  | 49.15130  | 50.34566  | 49.62325  |
| 3   | -1499.995 | 138.1186  | 3.19e+15  | 47.03014  | 48.75532* | 47.71184* |
| 4   | -1478.344 | 32.14720* | 2.76e+15* | 46.85892* | 49.11493  | 47.75038  |





**Fig. D.11.** The graph of actual and fitted values of equation