

제3장 2000년대 건설시장 규모 전망

12001

1)

(1)

--- IMF

1998 8

< -1> (1997 2000)

	1997	1998	1999 (P)	2000 (P)			
				1/4	2/4		
(: %, , 1995 가)							
	5.0	-6.7	10.7	12.8	9.6	11.1	112.5
	6.6	-7.4	21.8	23.0	16.8	19.7	127.8
	1.4	-8.6	-10.1	-8.1	-4.4	-5.9	80.2
	3.2	-9.8	8.5	9.6	7.7	8.7	103.9
	3.5	-11.4	10.3	11.1	9.0	10.0	104.7
	1.5	-0.4	-0.6	1.3	0.5	0.9	98.9
	-2.2	-21.2	4.1	22.4	12.9	17.1	91.8
	2.3	-10.1	-10.3	-7.0	-4.7	-5.7	78.6
	-8.7	-38.8	38.0	63.6	41.3	51.7	109.2

: (1) P (2) 1997 2000
: ; 「2000 2/4 ()」, 2000. 8.

- 1999 10.7%, 2000 11.1%
 , 2000 1997
 112.5%, 103.9%

--- , 2000
 1997 가가 80.2%,
 78.6%

(2)

--- 2000 (가)
 30 3,200 , 38.7% 가 , 1997

< -2> (1997 2000)

	1997	1998	1999 (P)	2000 (P)			
				1/4	2/4		
(: , 가)							
	33.29	29.07	24.44	4.55	6.21	10.76	54.3
	41.64	17.54	26.69	8.72	10.85	19.56	78.1
	29.57	23.41	20.80	4.35	5.44	9.80	52.3
	45.35	23.67	30.34	8.91	11.61	20.52	78.5
	22.38	12.34	19.32	6.19	7.82	14.01	108.2
	22.97	9.89	11.02	2.72	3.80	6.52	49.4
	74.92	47.08	51.14	13.27	17.05	30.32	67.5
(: %,)							
	23.7	-12.6	-15.9	21.7	-4.5	5.1	
	-0.5	-57.9	52.2	125.3	39.9	68.3	
	29.6	-20.9	-11.1	22.5	-8.5	3.1	
	-1.3	-47.8	28.2	119.9	39.8	66.1	
	5.0	-44.9	56.5	171.5	42.0	80.0	
	-6.6	-56.4	11.4	53.4	35.5	42.4	
	9.0	-37.2	8.6	74.4	19.7	38.7	

: 1997 2000
 : , 「 」 ; 「 」 .

67.5%

•

5.1% 3.1% 가 , 1997
2000 54.3% 52.3%

--- , 1999 가 2000
68.3% 66.1% 가 ,

가 80.0%

• 2000

가

•

, 1997

78.1% 78.5% ,
1998

--- 2000 (1995 가) 31 3,400 ,
5.7% , 1997 78.6%

• IMF

가

1999 , 1997 106.7%
, 5.3%

--- , 6.8%

, 1997 60.9%

• , 1998 1999 21.1% 38.1%

5.4% 가

• , 1997 11

가 1999 가 가 2000

2/4

	1997	1998	1999 (P)	2000 (P)			
				1/4	2/4		
(: , 1995 가)							
	40.07	37.95	41.12	5.99	10.42	16.41	106.7
	49.21	42.34	30.87	7.36	7.57	14.92	60.9
	26.67	24.55	19.86	4.45	4.55	9.00	68.0
	22.54	17.79	11.01	2.91	3.02	5.93	52.6
	89.29	80.30	71.99	13.35	17.99	31.34	78.6
(: %,)							
	10.2	-5.3	8.3	-3.2	-6.4	-5.3	
	-3.3	-14.0	-27.1	-9.9	-2.2	-6.8	
	-6.3	-7.9	-19.1	-11.3	-13.6	-12.5	
	0.5	-21.1	-38.1	-7.6	22.0	5.4	
	2.3	-10.1	-10.3	-7.0	-4.7	-5.7	

: 1997 2000
: , 「 , ; 「 , .

--- , 가 2000
56.3%가 가 , 1997 72.3%

• 1998 50 68% 가 1999
가 2000 .

--- 가 1998
가 가 , 2000 가

• , 6 100% 가
가 2000 1997 141.7%
, 가 가 .

< - 4> 가 (1997 2000)

	1997	1998	1999 (P)	2000 (P)			
				1/4	2/4		
가 (: 100 m ²)							
	62.7	31.2	44.6	8.8	10.3	19.1	65.2
	50.7	19.8	27.9	9.4	11.2	20.5	80.4
	27.9	8.8	11.7	4.0	5.4	9.4	68.1
	8.8	2.8	7.8	3.4	3.4	6.8	141.7
	113.4	51.0	72.5	18.2	21.5	39.6	72.3
(: %,)							
	2.6	-50.3	43.2	72.3	16.4	36.9	
	-3.9	-60.9	41.0	111.5	59.9	80.0	
	3.9	-68.6	34.2	109.6	91.1	98.6	
	-26.2	-68.2	179.8	266.0	83.0	144.0	
	-0.4	-55.0	42.3	90.6	35.6	56.3	

: 1997 2000
: , <http://www.moct.go.kr>.

< - 5> (1997 2000)

	1997	1998	1999 (P)	2000 (P)			
				1/4	2/4		
(:)							
	596.4	306.0	404.7	76.7	99.7	176.4	62.9
	219.0	131.0	151.3	25.8	25.8	51.7	52.7
	377.4	175.0	253.4	50.9	73.8	124.7	68.4
(: %,)							
	0.7	-48.7	32.2	53.6	28.5	38.3	
	-5.7	-40.2	15.5	15.9	-5.8	3.9	
	4.9	-53.6	44.8	83.9	47.3	60.3	

: 1997 2000
: , <http://www.moct.go.kr>.

(3)

--- 2000 , 38.3% 가 17 6,400
, 1997 62.9%

• 5 1,700 12 4,700

70% , 3.9%
60.3% 가 , 1997 52.7% 68.4%

--- 2000 8 , 6 1,234 , 1999
13.6%가 , 1 9,824 (32.4%),
4 1,410 (67.6%)

• 1998 , 2000

가
< -6> (1997 2000. 8) : , %

	1997	1998	1999	2000
	12,171(-49.1)[13.7]	27,481(125.8)[26.8]	20,958(-23.7)[29.6]	19,824(-5.4)[32.4]
	76,696(-10.6)[86.3]	75,220(-1.9)[73.2]	49,914(-33.6)[70.4]	41,410(-17.0)[67.6]
	88,867(-18.9)[100.0]	102,701(15.6)[100.0]	70,872(-31.0)[100.0]	61,234(-13.6)[100.0]

: (1) () , []
(2) 2000 8
: , <http://www.moct.go.kr>.

--- 2000 ,
42.1% 2 5,795 가 18 25.7 ,
28.1% 29.8%

• , 1999 ,
(-20.7%), (-14.5%), (-4.0) ,
가

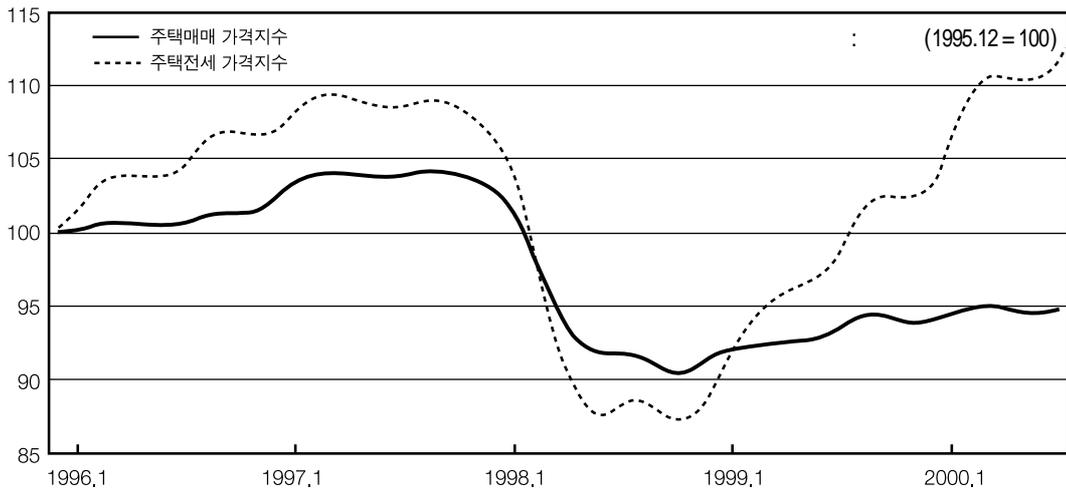
< -7> (2000 8) : , %

	(18)	(18 25.7)	(25.7)	
	17,190(-20.7)	25,795(-14.5)	18,249(-4.0)	61,234(-13.6)
	28.1	42.1	29.8	100.0

: () 1999
: , <http://www.moct.go.kr>.

--- , 1995 12 가 가 (< -1>) 1998 11 90.4 87.3

< -1> 가 (1996. 1 ~ 2000. 6)



- 가 가 1998 , 가 IMF
- , 가 IMF

--- 2000 8 , 가 (< -8>) 1998 11 0.2 94.8 , IMF 1997 11 91.2%

- (97.9) 94.0% 가 , 6 (90.8) 21 (95.8) 90.0%

< -8> 가 (1997 2000 8)

: (1995.12=100), %,

	가									(B/A)
	97.11(A)	()	00.8(B)							
()	104.0	90.4(98.11)	94.8	-1.1	-13.6	12	0.2	4.4	21	91.2
	104.1	88.6(98.11)	97.9	-1.3	-15.5	12	0.4	9.3	21	94.0
6	100.9	88.5(98.12)	90.8	-0.9	-12.1	13	0.1	2.0	20	90.0
21	106.5	92.9(98.11)	95.8	-1.1	-13.6	12	0.2	2.9	21	90.0
	99.6	86.4(00.8)	86.4	-0.4	-13.2	33	-	0.0	0	86.7
	101.7	87.5(99.12)	88.5	-0.6	-14.2	25	0.1	1.0	8	87.0
	109.0	92.8(98.11)	103.7	-1.4	-16.2	12	0.5	10.9	21	95.1
	102.5	91.9(98.11)	95.8	-0.9	-10.6	12	0.2	3.9	21	93.5
	104.1	91.8(98.11)	95.9	-1.0	-12.3	12	0.2	4.1	21	92.1
	104.2	90.3(98.11)	95.7	-1.2	-13.9	12	0.3	5.4	21	91.8

: () 가
: , 「 」 : 「 가 」 .

- (103.7)가 0.5 95.1%
, (88.5) 1999 12 0.1
87.0%, (86.4) 2000 8 86.7%
- (95.7) 0.3 91.8%
, (95.9) (95.8) 0.2
92.1% 93.5%

< -9> 가 (1997 2000 8)

: (1995.12=100), %,

	가									(B/A)
	97.11(A)	()	00.8(B)							
()	108.3	87.3(98.11)	112.1	-1.8	-21.0	12	1.2	24.8	21	103.5
	106.9	79.5(98.6)	112.7	-4.1	-27.4	7	1.3	33.2	26	105.4
6	105.0	86.5(98.12)	105.8	-1.5	-18.5	13	1.0	19.3	20	100.8
21	112.0	92.1(98.7)	116.0	-2.4	-19.9	8	1.0	23.9	25	103.6
	103.5	85.8(99.1)	94.4	-1.3	-17.7	14	0.5	8.6	19	91.2
	107.0	86.7(98.11)	111.7	-1.7	-20.3	12	1.2	25.0	21	104.4
	113.4	87.9(98.7)	125.7	-3.1	-25.5	8	1.5	37.8	25	110.8
	106.0	89.8(98.11)	109.8	-1.4	-16.2	12	1.0	20.0	21	103.6
	108.4	88.6(98.7)	114.5	-2.5	-19.8	8	1.0	25.9	25	105.6
	108.2	87.3(98.11)	114.8	-1.8	-20.9	12	1.3	27.5	21	106.1

: () 가
: , 「 」 : 「 가 」 .

--- , 2000 8 , 가 (< -9>) 1998 11
 1.3 112.1 , IMF 1997 11
 103.5%

- (112.7), 6 (10.58), 21
 (116.0) 100% IMF
- (125.7)가 1.5 110.8%
 , (111.7) (94.4) 104.4% 91.2%
- (114.8) 1.3 106.1%
 , (114.5) (10.98) 1.0
 105.6% 103.6%

--- 1998 11 가 () 가
 가

2) 2001

(1)

--- 가 2001 ()
 4.5% 가 60 5,400

- 1995 , 1997
 80.8%
- 1999 8.6% 2000 13.2% 가 , 2001 가
 4.5%
 가
- ,
 60.7% 64.8% , 2001
 (强), (弱) ' 가

가

가

가 3%

2001

(2 7,913)

(1 9,621)

8

5

(7)

< -10> 2001

	2000 (F)			2001 (F)			
(: , 가)							
	10.76	13.15	23.91	11.05	12.76	23.81	71.5
	19.56	14.43	33.99	18.80	17.93	36.73	88.2
	9.80	10.87	20.67	10.27	11.02	21.29	72.0
	20.52	16.71	37.23	19.58	19.67	39.25	86.5
	30.32	27.59	57.91	29.85	30.69	60.54	80.8
(: %,)							
	5.1	-7.5	-2.2	2.7	-3.0	-0.4	
	68.3	-4.2	27.4	-3.9	24.3	8.1	
	3.1	-3.8	-0.6	4.8	1.4	3.0	
	66.1	-7.1	22.7	-4.6	17.7	5.4	
	38.7	-5.8	13.2	-1.6	11.2	4.5	
(: %)							
	35.5	47.7	41.3	37.0	41.6	39.3	
	64.5	52.3	58.7	63.0	58.4	60.7	
	32.3	39.4	35.7	34.4	35.9	35.2	
	67.7	60.6	64.3	65.6	64.1	64.8	
	100.0	100.0	100.0	100.0	100.0	100.0	

- (1) ;
- (2) 2000 () ;
- (3) 1997 2001 ;

, 29 8,500 , 30
 6,900
 • , 1.6%
 11.2% 가
 --- 0% SOC 가
 0.4% 23 8,100
 , 8.1% 가 36 7,300
 • 1997 71.5%
 , 88.2%
 2001

 3.0% 5.4% 가 21 2,900 39 2,500
 • 1998 2000
 2001
 • , 1999
 2000 150% 가 가
 가가 가
 • , 1997 72.0% 86.5%
 , 2001

(2)

--- 1995 가 2001 (< -11 >)
 2.2% 가 71 4,000
 • 2001 IMF 1998 1999 10%
 2000 3% 4

- , 71 2001 1995
 , 1997 80.0% , 2001

< - 11 > 2001

	2000 (F)			2001 (F)			
(: , 1995 가)							
	16.41	23.39	39.80	16.49	23.26	39.75	99.2
	14.92	15.12	30.04	15.59	16.06	31.65	64.3
	9.00	9.07	18.07	8.88	9.27	18.15	68.1
	5.93	6.05	11.98	6.71	6.79	13.50	59.9
	31.33	38.51	69.84	32.08	39.32	71.40	80.0
(: %,)							
	-5.3	-1.7	-3.2	0.5	-0.6	-0.1	
	-6.8	1.1	-2.7	4.5	6.2	5.4	
	-12.5	-5.2	-9.0	-1.3	2.2	0.4	
	5.4	12.2	8.8	13.2	12.2	12.7	
	-5.7	-0.6	-3.0	2.4	2.1	2.2	
(: %)							
	52.4	60.7	57.0	51.4	59.2	55.7	
	47.6	39.3	43.0	48.6	40.8	44.3	
	28.7	23.6	25.8	27.7	23.6	25.4	
	18.9	15.7	17.2	20.9	17.2	18.9	
	100.0	100.0	100.0	100.0	100.0	100.0	

: (1) 2000 ()
 (2) 1997 2001
 : , 「 」 ; 「 2000 2/4 () 」, 2000. 8.

--- SOC , 0.1% 39

7,500

- , 5,280 , 2002

- 1997 2001 99.2%

--- 가
5.4% 가 31 6,500

- , 1999 2/4 가
가 12.7% 가
13 5,000
- , 0.4% 가 18 1,500

--- , 가 ,
1997 64.3% 2001

- , 68.1% 59.9%
, 가

- , , 1999
2000 2001 ,
' (强) · (弱) ' 가

(3)

--- < -10> < -11> , 2001

- , , 2000 10%
2001 , 2000
2001
- , , 64.8%
, 55.7%

‘ (强) · (强) ’ 가 .
 • , 1997 , 80%
 , 가
 1993 .

2 :2001 2003

1)

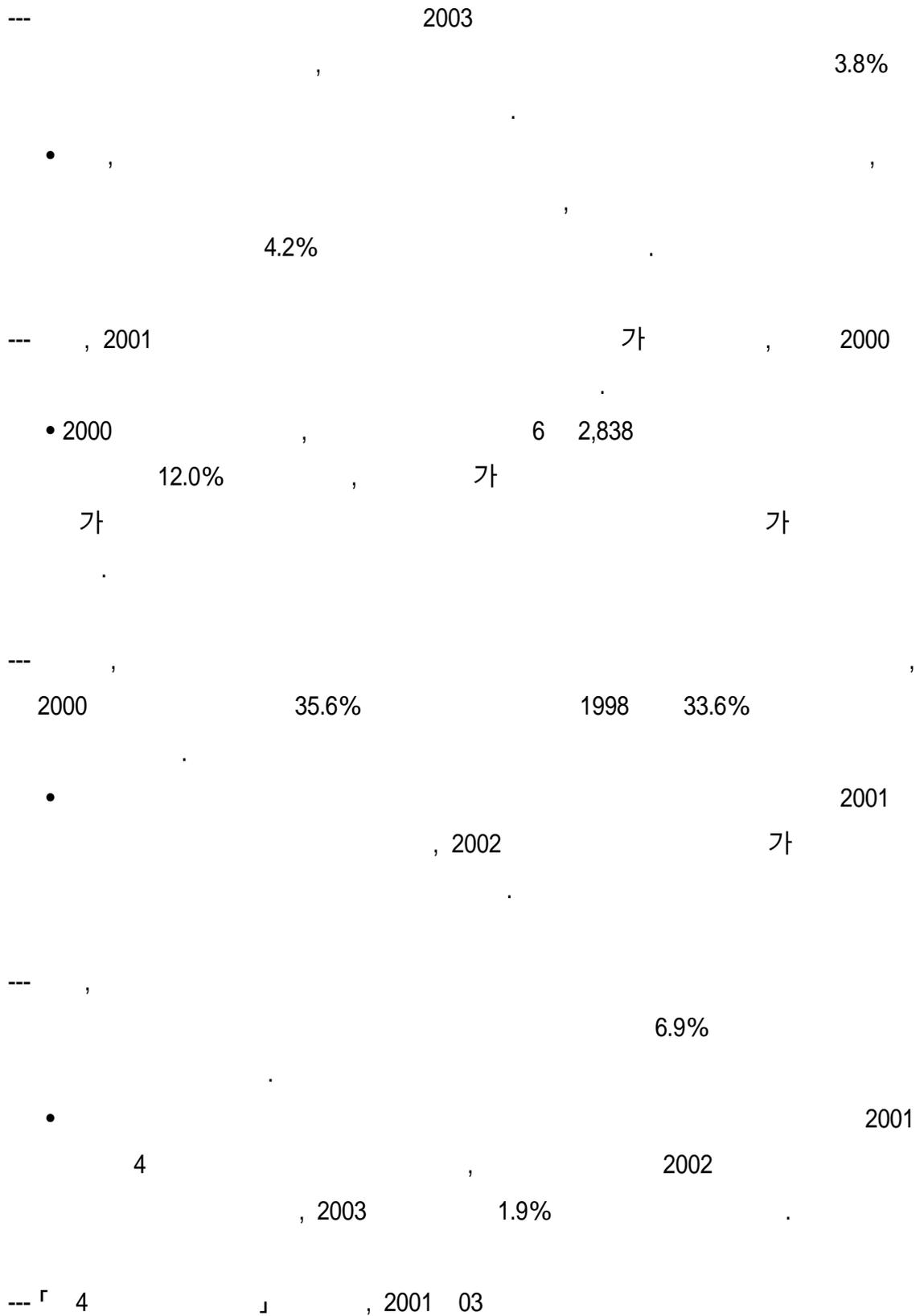
--- 가 2001 2003 ()
) 60 5,400 , 63 4,700 , 65 2,500
 , 4.0% .

--- 2001 가 , 가 가
 가 .

• , 1999 2000 2001 2003 ‘
 . (强), . (弱) ’ 가 .
 < - 12> (1999 2003)

	1999 (P)	2000 (F)	2001 (F)	2002 (F)	2003 (F)
(: , 가)					
	24.44	23.91	23.81	24.24	23.78
	26.69	33.99	36.73	39.23	41.47
	20.80	20.67	21.29	22.31	23.09
	30.34	37.23	39.25	41.16	42.16
	51.14	57.91	60.54	63.47	65.25
(: %,)					
	-15.9	-2.2	-0.4	1.8	-1.9
	52.2	27.4	8.1	6.8	5.7
	-11.1	-0.6	3.0	4.8	3.5
	28.2	22.7	5.4	4.9	2.4
	8.6	13.2	4.5	4.8	2.8

: 2000
 : , 「 」 ; 「 」 .



• , . (2000. 7) , 2001 2003

가 92 3,723 .

• 48.6% 44 9,185 가 ,

2)

--- 1995 가 2001 2003 71 4,000
, 73 7,600 , 76 3,100 , 3.0%

가

• 가 가 ,

1999

2003

• ‘ (强), (弱) ’
, 1999 2000 ‘ (强),
(弱) ’ 가 .

--- SOC 가

2002

1.5%

가

• , 1998

2001 2003

4.9%

	1999 (P)	2000 (F)	2001 (F)	2002 (F)	2003 (F)
(: , 1995 가)					
	41.12	39.80	39.75	40.74	41.60
	30.87	30.04	31.65	33.02	34.71
	19.86	18.07	18.15	18.60	19.25
	11.01	11.98	13.50	14.42	15.46
	71.99	69.84	71.40	73.76	76.31
(: %,)					
	8.3	-3.2	-0.1	2.5	2.1
	-27.1	-2.7	5.4	4.3	5.1
	-19.1	-9.0	0.4	2.5	3.5
	-38.1	8.8	12.7	6.8	7.2
	-10.3	-3.0	2.2	3.3	3.5

: 2000
: , 「 , ; 「 2000 2/4 () , 2000. 8.

•

8.9%

•

1999 2000 가
2001 ,
가 2.1%

3)

--- < -12 > < -13 > , 2001 2003

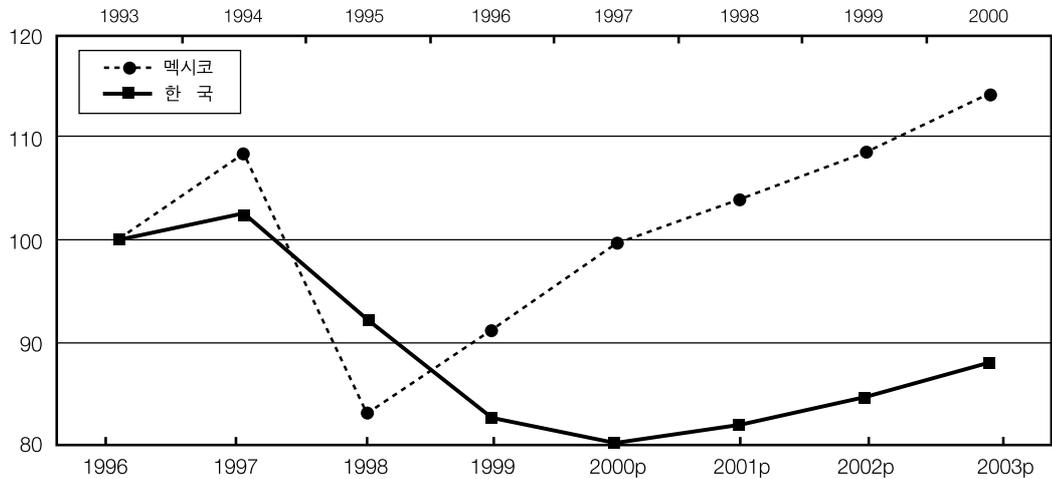
--- , 가 , 2000 10%
2001 03 4.0%

•

, 2000 2001 2003
가

--- , , 가
 65%
 • , 55%
 (强), (强) ' 가
 --- , 1997 , 2003
 87.1% 85.5%
 • , 가 1994
 --- , 1999 2000 2003
 < -2>

< -2> IMF : vs.



: (1)
 (2) 2000 CERIK
 : Bank of Mexico, <http://www.banxico.org.mx>; 「2000 2/4 ()」
 2000. 8.

--- 1993 1994 IMF
 1995 83.0%
 • , 가

IMF가 5 1999 1994

--- , 1996 (1995 가) 1997
 1998 1999 10% , 2000
 3% 78.2% .
 • 2001 2003 가 3.0%
 , 가
 • 가 1997

--- 2000 2003 (5.3%)
 < -14> .
 • GDP 2000 15.2%
 2003 14.2% , 2000 8.7%
 1.0% 2003 7.7% .
 • , 6.5% ,
 가

< -14> GDP (2000 2003) : %

	2000 (P)	2001 (P)	2002 (P)	2003 (P)
	8.7	8.2	8.0	7.7
	6.5	6.5	6.5	6.5
	3.9	3.7	3.6	3.6
	2.6	2.8	2.8	2.9
	15.2	14.7	14.5	14.2

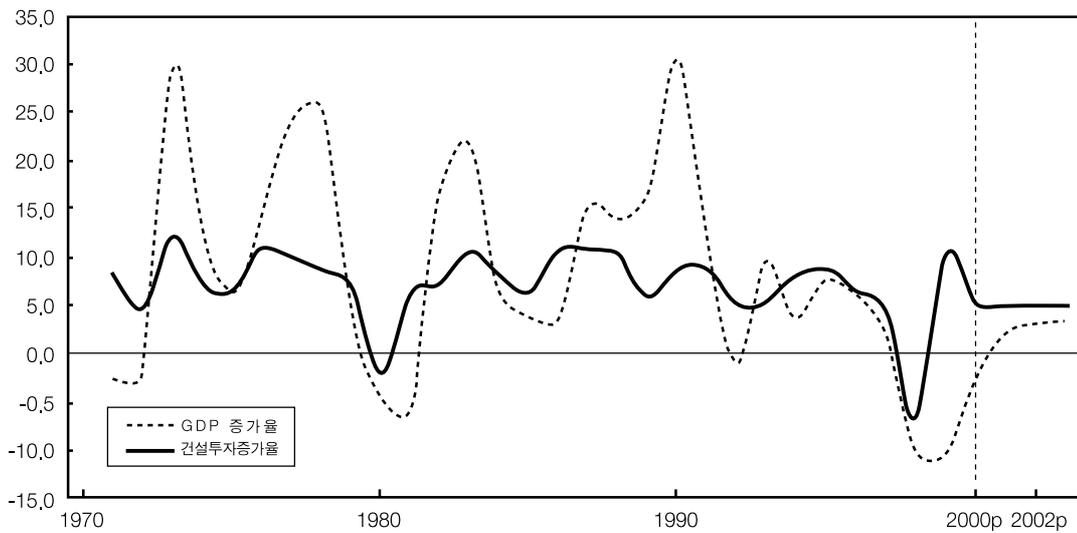
: GDP 가 1995 가 , 5.3% 가 .

4)

--- 4가

--- , < -3> (1995 가)
 5.3%
 • 1990 200

< - 3> GDP (2000 2003) : %



: 2000 CERIK

--- , < -4> ,
 가 가

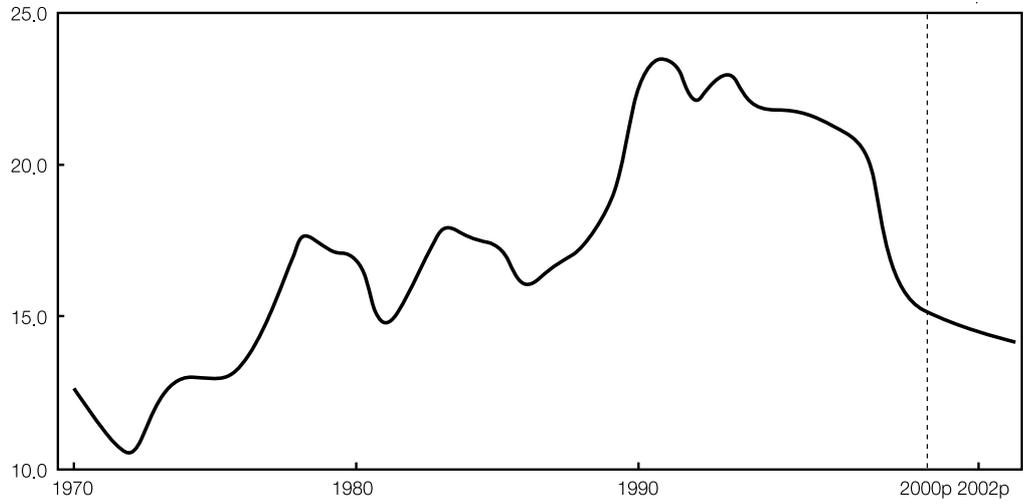
• , ,
 가

--- , < -5> , 가

• , 가 가
 가

• 가

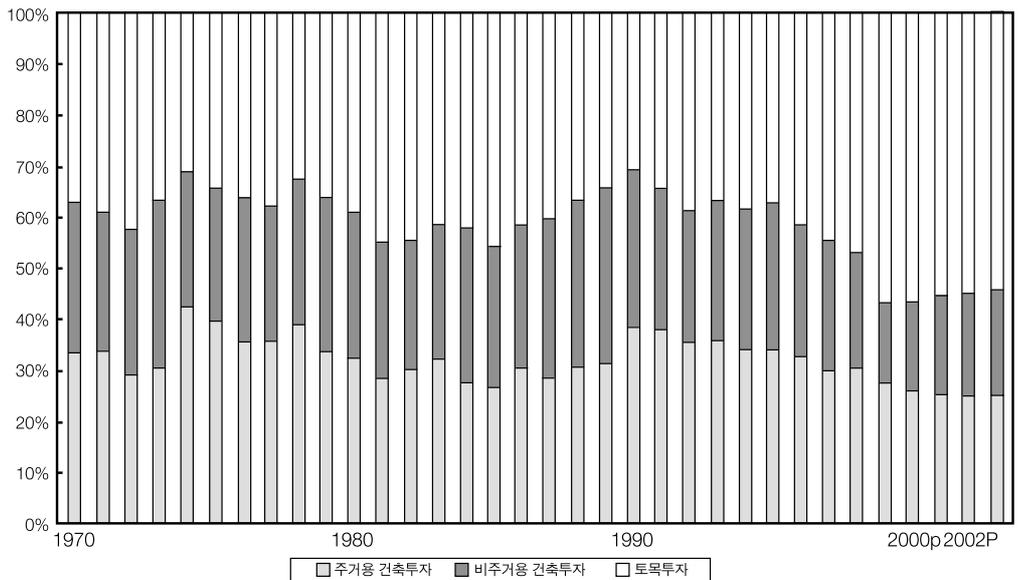
< - 4> GDP (2000 2003) : %



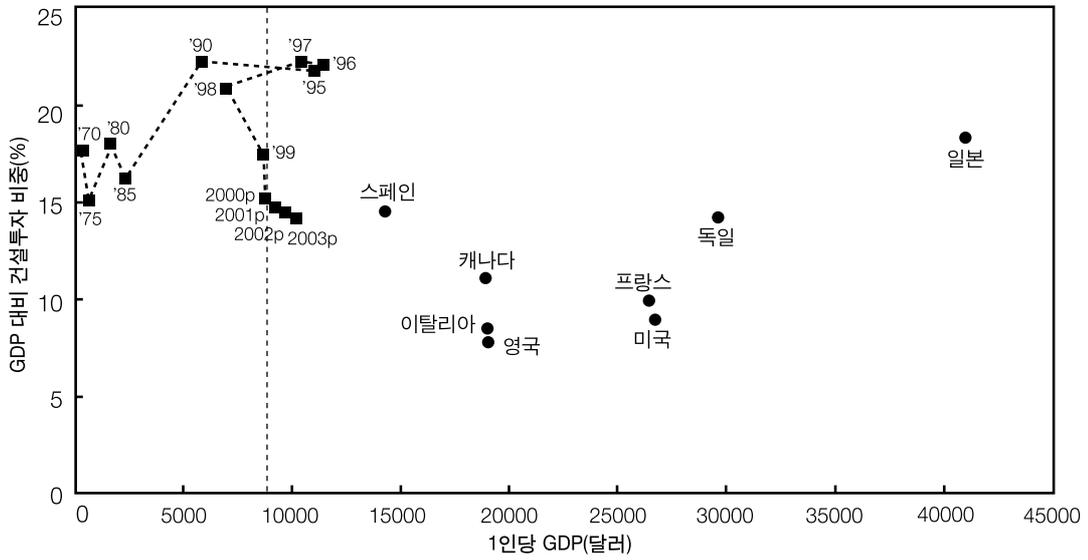
: 2000 CERIK .

--- , < -6> ,
 • 가

< -5> (2001 2003) : %



: 2000 CERIK .



: (1) 2000 CERIK
 (2) 8 1995

3 :2000

1)

가

• 1,000

54 (< -15>)

• 54

•

--- 51 (< -16>)

• 12 3
2000 2010
2003

• 54 , 1,500
, 51 /

• 가
() ,
(< -17>).

< - 15>

	(54)
(11)	,
(6)	, 가 ,
(2)	,
(14)	11 , ,
(4)	, , ,
(1)	
(7)	, , , , , , ,
(9)	, , , , , , , , ,

• 2002 2003 2000 .
 , 3)
 2001 가 .
 • , 3 4
 . 4)

--- , 2002
 가 .
 • 5 5 6% ,
 2003 10% .

(2)

--- 1999 6.8%

< - 19 >

	1994	507,542	201,160	137,594	63,566	307,597	168,498	340,258
	1995	599,285	243,508	173,706	69,802	355,777	205,469	393,816
	1996	737,885	325,283	248,540	76,743	412,602	288,322	449,563
	1997	799,079	355,876	274,305	81,571	443,203	338,241	460,838
	1998	478,917	295,117	224,185	70,932	183,797	250,390	228,524
	1999	511,363	244,440	171,850	72,590	266,925	207,971	303,394
	1999		277,504	232,499	45,005			
	2000		293,002	244,287	48,715			
	2001		327,401	272,056	55,345			
	2002		297,680	247,461	50,219			
	2003		298,642	265,782	32,860			
	2004		211,383	173,038	38,345			

3) 가 5 2002
 4) 가 5 2003 2004 , 2 3

가 , 45.1% 가

- 51 7,000 , 1998 6.8%가 가 .
- 가 24 4,000 , 1998 17.3%가
45.1%가 가 26 7,000 IMF
가 가

--- 1998 , 가 1997
11.4%가 29 5,117 (< -19>).
• , 1998
10 가

3)

(1) 1999

--- 1999 18 3,708

< -20> 1999

		()		(%)	
		1999	2000	1999	2000
		138,882	145,678	50.1	49.7
		20,865	19,362	7.5	6.6
		23,861	28,730	8.6	9.8
		100	142	0.0	0.1
		34,352	34,214	12.4	11.7
		963	1,581	0.4	0.5
		6,165	8,144	2.2	2.8
		3,524	4,775	1.3	1.6
	,	21,448	20,595	7.7	7.0
		7,801	9,161	2.8	3.1
	,	11,564	10,970	4.2	3.7
		7,978	9,650	2.9	3.3
		277,504	293,002	100.0	100.0

, 4 5,005 , 4 8,791

• 12 < -20> , 가 가

50.1%

• ,
12.4%

(2) 2000

--- , 2000 19 3,912
, 1999 5.6%가 가 , 1978 1997
가 24.0% 1/4 .

• IMF 가
가 66.3%

--- 2001 가 ,
21 6,871 , 1999 2000
18.1% 11.8%가 가 ,

가 가 . 가

• 가 .

--- 2000 4 8,715 가 ,
1999 4 5,005 8.2%가 가 .

• 1999 0.5% 16.7%
가

--- 2001 5 5,345 2000 13.6%가 가
 2000
 16.9%
 • 2000 2001 1979 1998
 가 17.0% , 2002 가
 9.3% , 16.8% 1999 2001
 • , 2003 2002 23.6%
 , 12.8% .
 --- 2000 5 375 , 2001 5 5,185
 • 2000 1999 3.2%가 가
 17.2% , 2001 2000 9.5%가 가
 , 가 .

			1999	2000	2001	2002	2003	2003 ~ 1999
			18,370,821	19,391,235	21,687,094	19,936,408	21,207,549	2,836,728
			13,888,172	14,567,843	16,071,207	14,544,383	14,302,871	414,700
			5,249,305	5,506,534	6,341,978	5,551,042	5,792,406	543,101
			217,440	235,190	245,731	236,698	279,271	61,831
			1,341,624	1,434,315	2,437,901	2,499,798	2,505,868	1,164,244
			1,970,631	1,264,455	638,430	468,400	363,500	-1,607,131
			1,610,605	2,163,583	2,497,859	2,560,326	2,319,100	708,495
			1,228,063	1,464,770	1,799,763	1,133,658	521,945	-706,117
			2,249,513	2,481,538	2,087,568	2,073,530	2,424,131	174,618
			20,992	17,459	21,977	20,932	96,650	75,658
			2,086,493	1,936,187	2,032,393	2,102,313	2,398,559	312,065
			1,181,408	1,133,239	1,271,221	1,246,111	1,309,286	127,878
			351,786	276,406	248,064	248,921	417,360	65,574
			28,067	37,073	28,472	39,726	125,215	97,148
			5,727	3,560	5,600	6,000	3,500	-2,227
			187,189	204,329	271,390	310,528	265,898	78,709
			332,316	281,580	207,646	251,027	277,300	-55,016
			2,386,120	2,873,017	3,565,394	3,268,071	4,484,298	2,098,178
			2,293,501	2,790,957	3,466,634	3,161,879	3,420,398	1,126,897
			92,619	82,060	98,760	106,192	1,063,900	971,281
			0	0	0	0	0	0
		()	0	0	0	0	0	0
			10,036	14,188	18,100	21,640	21,821	11,785
			0	0	0	0	0	0
			10,036	14,188	18,100	21,640	21,821	11,785
			4,500,470	4,871,451	5,534,536	5,021,852	3,834,501	-665,969
			3,435,223	3,421,356	3,501,544	3,286,020	3,358,531	-76,692
			3,384,181	3,368,169	3,446,794	3,248,836	3,211,860	-172,321
			51,042	53,187	54,750	37,184	146,671	95,629
			96,311	158,145	181,230	142,343	52,283	-44,028
			0	0	0	0	0	0
			49,055	110,896	98,502	94,894	17,230	-31,825
			0	0	0	0	0	0
			47,256	47,249	82,728	47,449	35,053	-12,203
			0	0	0	0	0	0
			616,509	814,436	1,290,447	1,494,290	375,293	-241,216
			243,066	298,518	155,531	112,400	91,808	-151,258
			212,469	242,622	343,493	375,095	253,338	40,869
			41,090	138,450	128,400	74,900	8,276	-32,814
			119,884	134,846	663,023	931,895	21,871	-98,013
			352,427	477,514	561,315	99,199	48,394	-304,033
			4,173	8,360	7,547	12,005	5,070	897
			0	0	0	0	0	0
			765	830	805	820	0	-765
			1,670	8,561	6,990	4,990	13,645	11,975
			342,487	445,803	525,473	27,300	16,800	-325,687
			800	2,000	2,000	2,000	0	-800
			2,532	11,960	18,500	52,084	12,879	10,347
			4,879,119	5,037,530	5,518,475	4,809,735	4,822,189	-56,931
			2,144,836	2,059,464	1,969,906	1,829,459	2,242,883	98,047
			801,402	712,923	766,776	677,408	708,157	-93,245
			258,500	191,082	203,235	149,557	258,534	34
			1,018,134	1,018,134	766,470	766,470	766,470	-251,664
			0	0	0	0	0	0
			66,800	137,325	233,425	236,025	509,722	442,922
			780,065	916,116	1,136,303	1,337,883	775,653	-4,412
			42,496	55,733	67,199	92,322	15,503	-26,993
			104,951	94,274	121,822	128,931	131,626	26,675
			52,305	28,681	33,326	39,431	0	-52,305
			449,539	600,139	771,955	879,761	359,554	-89,985
			130,774	137,289	142,001	197,438	268,970	138,196
			1,156,400	1,097,000	1,451,700	1,407,700	1,320,200	163,800
			1,156,400	1,097,000	1,451,700	1,407,700	1,320,200	163,800
			0	0	0	0	0	0
			797,818	964,950	960,566	234,693	483,453	-314,366
			0	0	0	0	0	0
			88,328	88,328	88,328	88,328	281,433	193,105
			709,490	876,622	872,238	146,365	202,020	-507,470
			27,750,410	29,300,216	32,740,106	29,767,996	29,864,238	2,113,828

	1999	2000	2001	2002	2003	2003~1999	2003~1999
	66.20	66.18	66.24	66.97	71.01	4.81	0.04
	50.05	49.72	49.09	48.86	47.89	-2.15	-0.96
	18.92	18.79	19.37	18.65	19.40	0.48	0.45
	0.78	0.80	0.75	0.80	0.94	0.15	-0.03
	4.83	4.90	7.45	8.40	8.39	3.56	2.61
	7.10	4.32	1.95	1.57	1.22	-5.88	-5.15
	5.80	7.38	7.63	8.60	7.77	1.96	1.83
	4.43	5.00	5.50	3.81	1.75	-2.68	1.07
	8.11	8.47	6.38	6.97	8.12	0.01	-1.73
	0.08	0.06	0.07	0.07	0.32	0.25	-0.01
	7.52	6.61	6.21	7.06	8.03	0.51	-1.31
	4.26	3.87	3.88	4.19	4.38	0.13	-0.37
	1.27	0.94	0.76	0.84	1.40	0.13	-0.51
	0.10	0.13	0.09	0.13	0.42	0.32	-0.01
	0.02	0.01	0.02	0.02	0.01	-0.01	-0.00
	0.67	0.70	0.83	1.04	0.89	0.22	0.15
	1.20	0.96	0.63	0.84	0.93	-0.27	-0.56
	8.60	9.81	10.89	10.98	15.02	6.42	2.29
	8.26	9.53	10.59	10.62	11.45	3.19	2.32
	0.33	0.28	0.30	0.36	3.56	3.23	-0.03
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
()	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.04	0.05	0.06	0.07	0.07	0.04	0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.04	0.05	0.06	0.07	0.07	0.04	0.02
	16.22	16.63	16.90	16.87	12.84	-3.38	0.69
	12.38	11.68	10.69	11.04	11.25	-1.13	-1.68
	12.20	11.50	10.53	10.91	10.75	-1.44	-1.67
	0.18	0.18	0.17	0.12	0.49	0.31	-0.02
	0.35	0.54	0.55	0.48	0.18	-0.17	0.21
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.18	0.38	0.30	0.32	0.06	-0.12	0.12
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.17	0.16	0.25	0.16	0.12	-0.05	0.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2.22	2.78	3.94	5.02	1.26	-0.96	1.72
	0.88	1.02	0.48	0.38	0.31	-0.57	-0.40
	0.77	0.83	1.05	1.26	0.85	0.08	0.28
	0.15	0.47	0.39	0.25	0.03	-0.12	0.24
	0.43	0.46	2.03	3.13	0.07	-0.36	1.59
	1.27	1.63	1.71	0.33	0.16	-1.11	0.44
	0.02	0.03	0.02	0.04	0.02	0.00	0.01
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	-0.00	-0.00
	0.01	0.03	0.02	0.02	0.05	0.04	0.02
	1.23	1.52	1.60	0.09	0.06	-1.18	0.37
	0.00	0.01	0.01	0.01	0.00	-0.00	0.00
	0.01	0.04	0.06	0.17	0.04	0.03	0.05
	17.58	17.191	6.86	16.16	16.15	-1.44	-0.73
	7.73	7.03	6.02	6.15	7.51	-0.22	-1.71
	2.89	2.43	2.34	2.28	2.37	-0.52	-0.55
	0.93	0.65	0.62	0.50	0.87	-0.07	-0.31
	3.67	3.47	2.34	2.57	2.57	-1.10	-1.33
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.24	0.47	0.71	0.79	1.71	1.47	0.47
	2.81	3.13	3.47	4.49	2.60	-0.21	0.66
	0.15	0.19	0.21	0.31	0.05	-0.10	0.05
	0.38	0.32	0.37	0.43	0.44	0.06	-0.01
	0.19	0.10	0.10	0.13	0.00	-0.19	-0.09
	1.62	2.05	2.36	2.96	1.20	-0.42	0.74
	0.47	0.47	0.43	0.66	0.90	0.43	-0.04
	4.17	3.74	4.43	4.73	4.42	0.25	0.27
	4.17	3.74	4.43	4.73	4.42	0.25	0.27
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2.87	3.29	2.93	0.79	1.62	-1.26	0.06
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.32	0.30	0.27	0.30	0.94	0.62	-0.05
	2.56	2.99	2.66	0.49	0.68	-1.88	0.11
	100.00	100.00	100.00	100.00	100.00	0.00	0.00

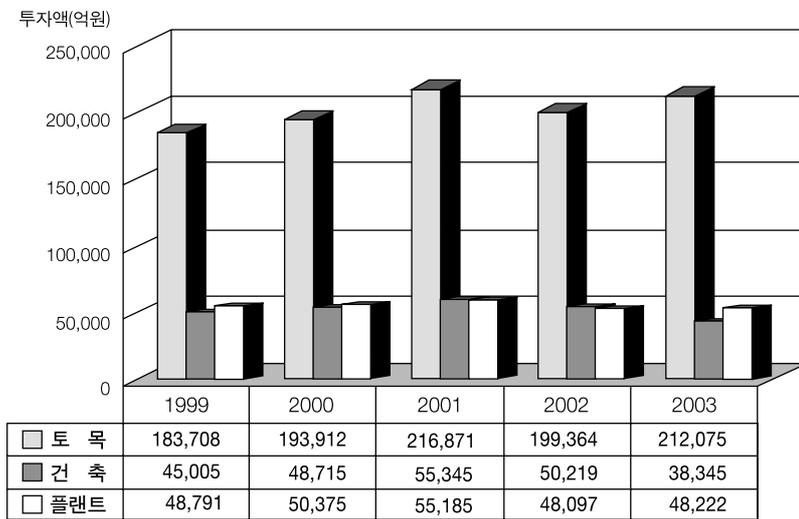
--- 가 2001 0.3%

16.9%

• IMF 가

• 1999 2003

< -7> (1999 2003)



--- 12 가 (< -8>)

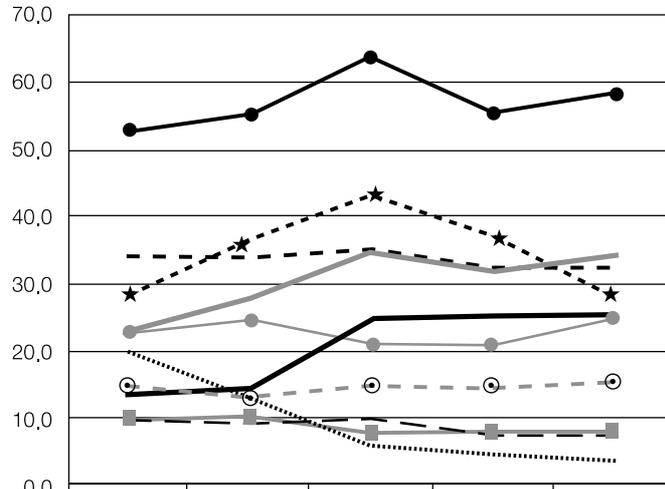
• 1999 13 8,882 , 75.6%, 50.1%

• , 1999 (12.4%) 10

• 8%

• 가

투자액(천억원)



	1999	2000	2001	2002	2003
● 도로	52,5	55,1	63,4	55,5	57,9
-★- 철도	28,4	36,3	43,0	36,9	28,4
● 지하철	22,5	24,8	20,9	20,7	24,2
- - 발전소	10,6	9,0	9,7	7,6	7,9
■ 송변전시설	10,2	10,2	7,7	7,7	7,7
— 항만	13,4	14,3	24,4	25,0	25,1
..... 공항	19,7	12,6	6,4	4,7	3,6
-⊙- 상하수도	14,8	13,5	14,6	14,4	15,2
— 단지조성	22,9	27,9	34,7	31,6	34,2
- - - 아파트	33,8	3,7	34,5	32,5	32,1

(9)

--- (, , , , ,) 2000 가

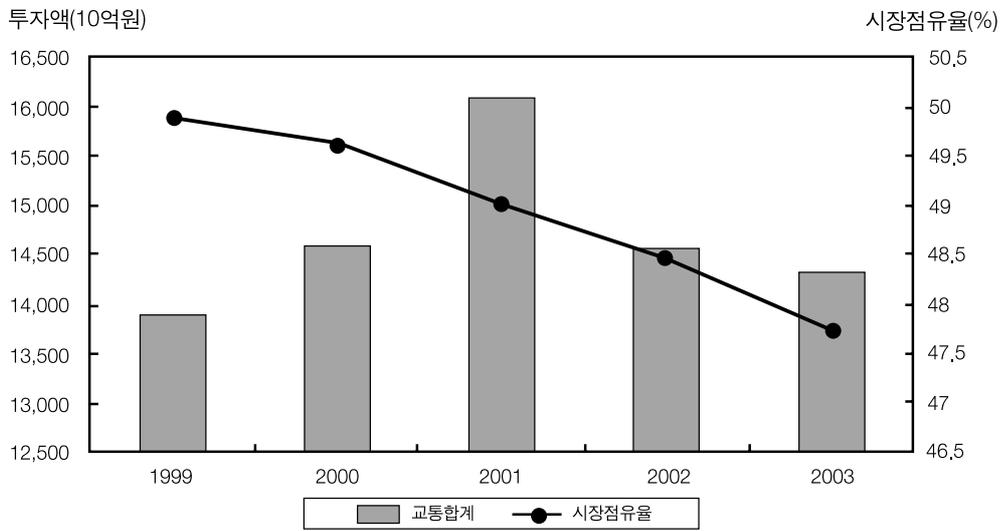
• 1997 18 (26.5% 가),
 1996 64 (14.8% 가) GDP 16.3%
 . 1.6 (, 「
 」, 1999. 3).

--- 2000 14 5,678 1999 5.0%가
 가 , 2001 2000 10.3%가 가 16 712

가 , 49.1% 0.8%

가 2002 가

< -9> (1999 2003)

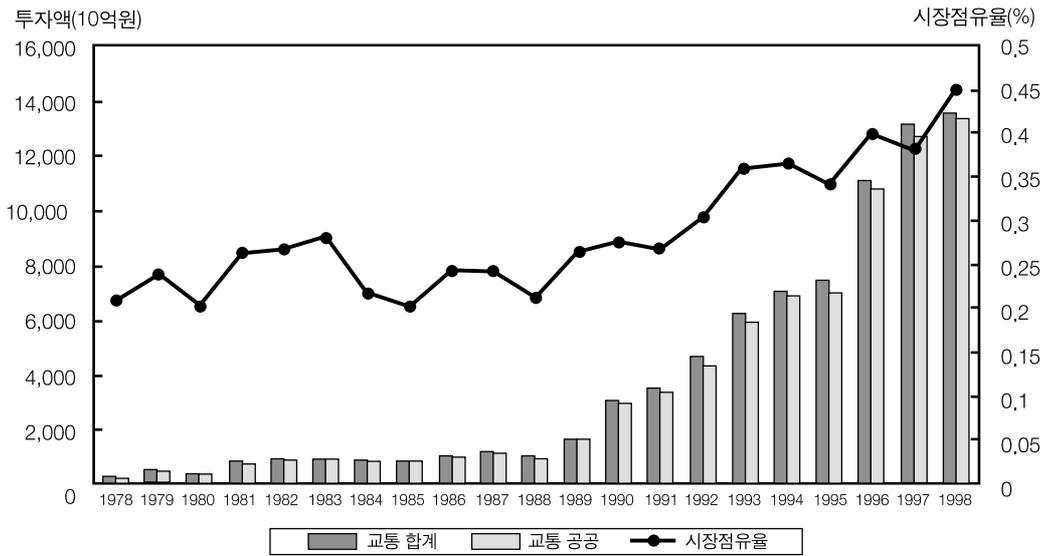


--- , (1978 1998) , 가 (< -10>).

--- 2000 가 (< -11>)
 , 2000 1 9,362 , 가 .
 가 73% .
 • 2001 2003 3.8% 가
 2003 2 3,986 .

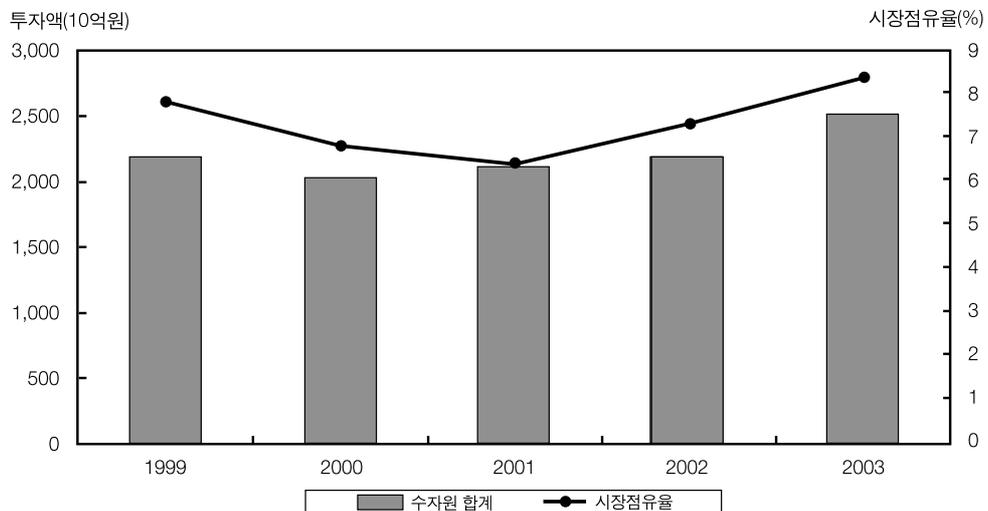
• , 2000 6.6% 2003
8.0%

< - 10 > (1978 98)



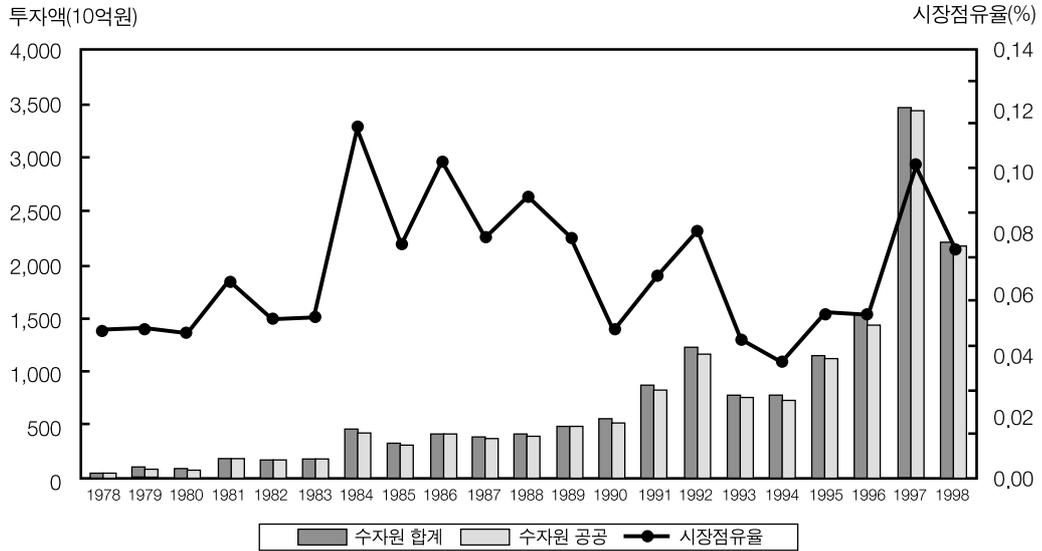
--- , (1978 1998) < - 12 > .
• 가 , 1984 1994

< - 11 > (1999 2003)



< -12>

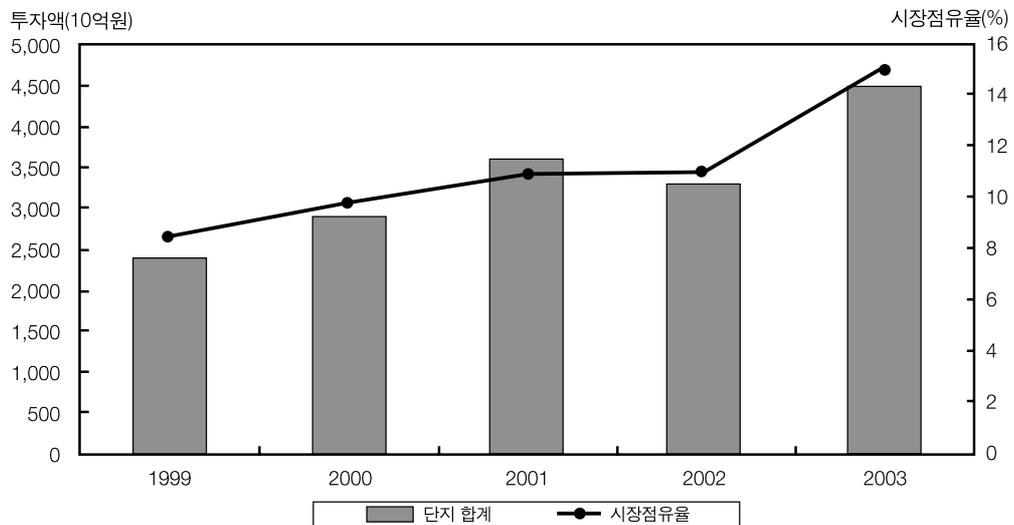
(1978 1998)



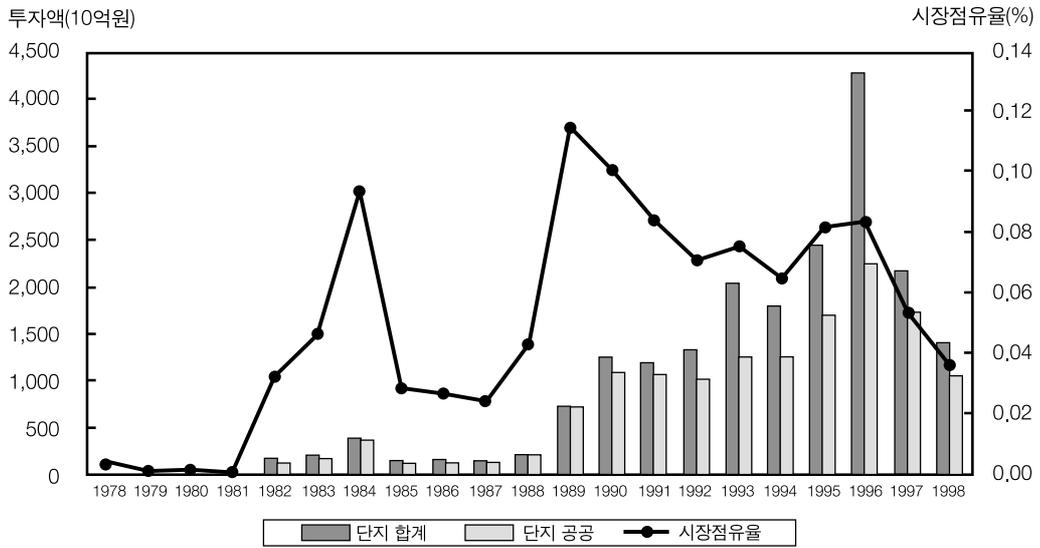
--- 가 (< -13>),
 2003 4 4,843 , 18.4% 가
 • 1999 8.6% 2003 15.0%

< -13>

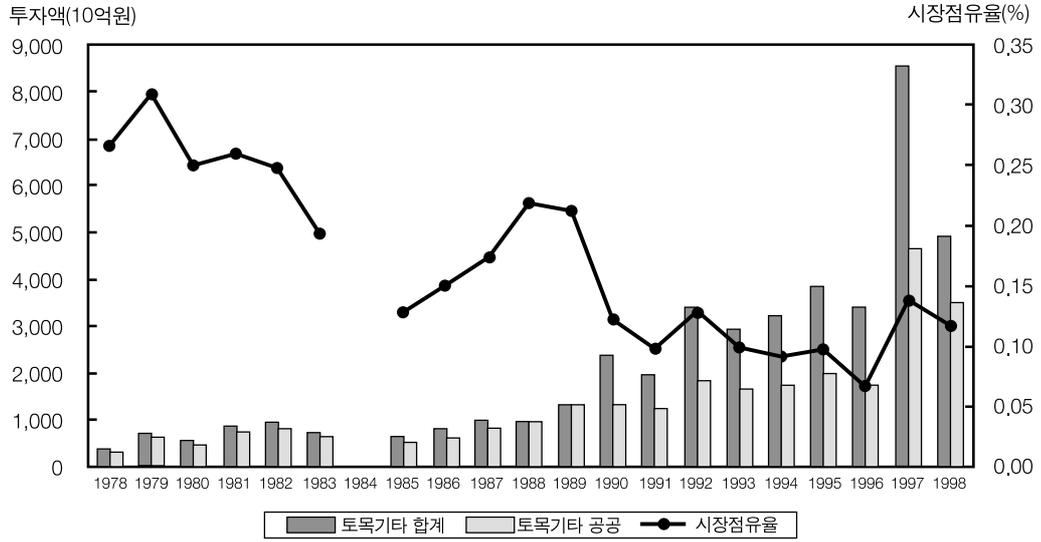
(1999 2003)



--- , (1978 1998) < -14> .
 • 1989
 1997 가 , 가
 1989
 < -14> (1978 1998)



--- (1978 1998) < -15> .



--- 11.2% (<
 -16>), 2000 3 4,214

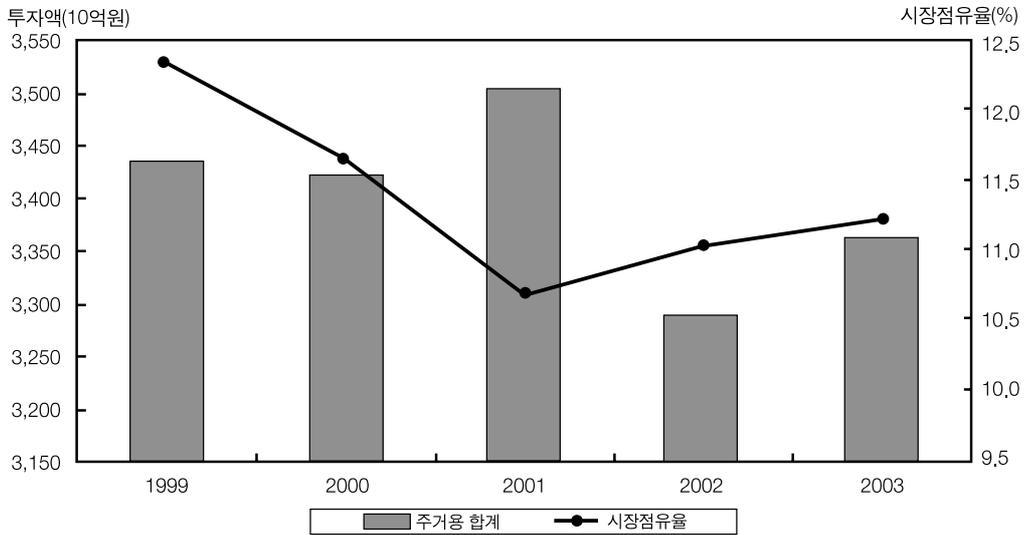
가

--- 2000 2003 16%

가

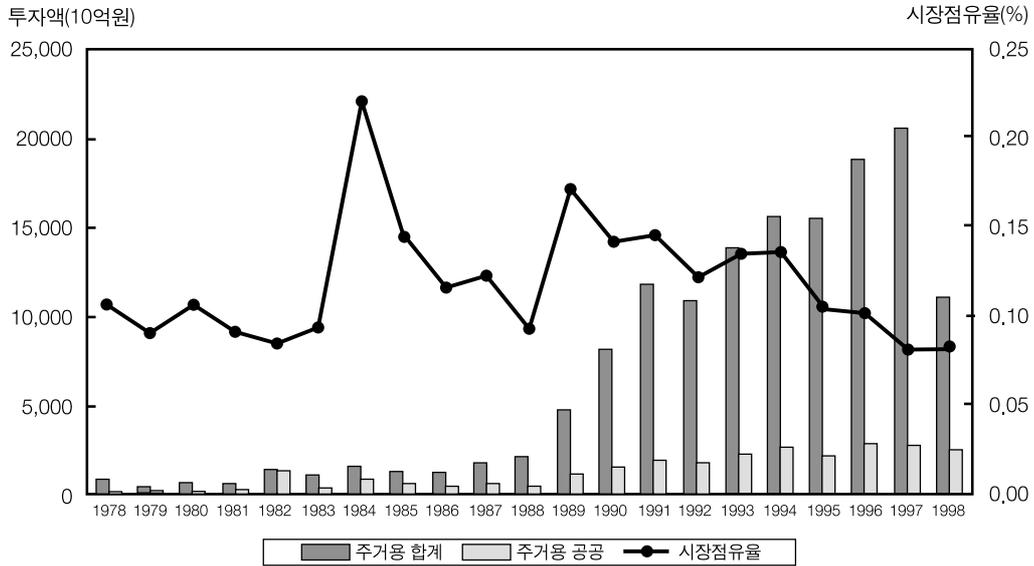
< - 16 >

(1999 2003)



< - 17 >

(1978 1998)



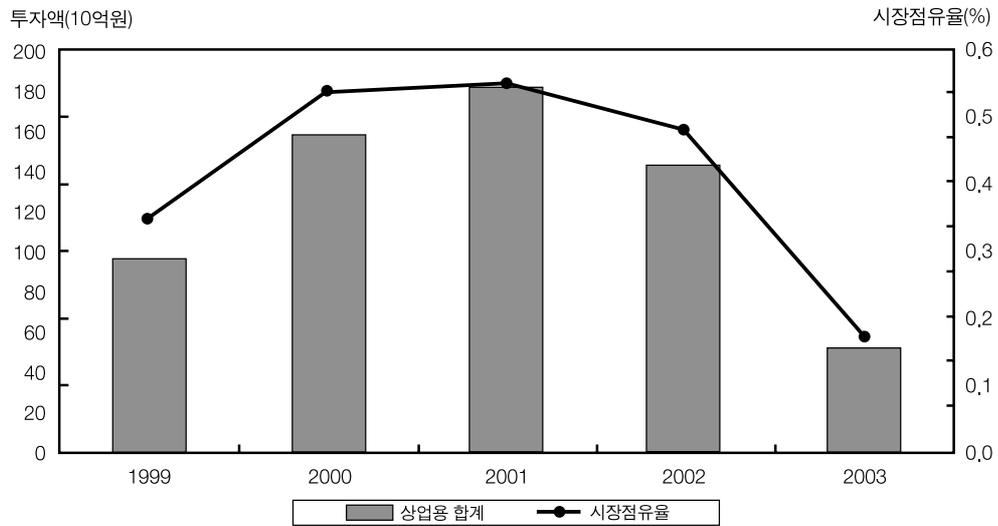
(1978 1998) < - 17 >

가 ,

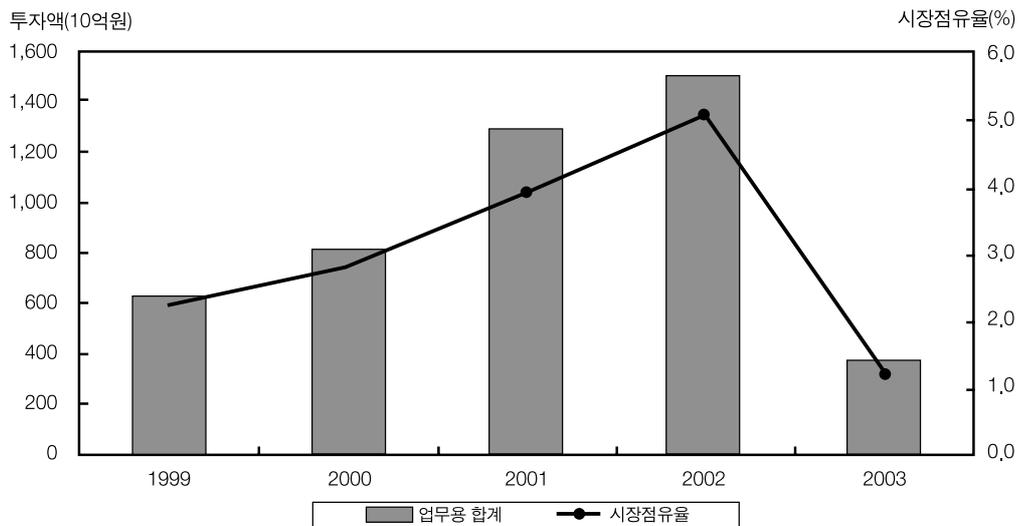
가

1989

< -18> (1999 2003)

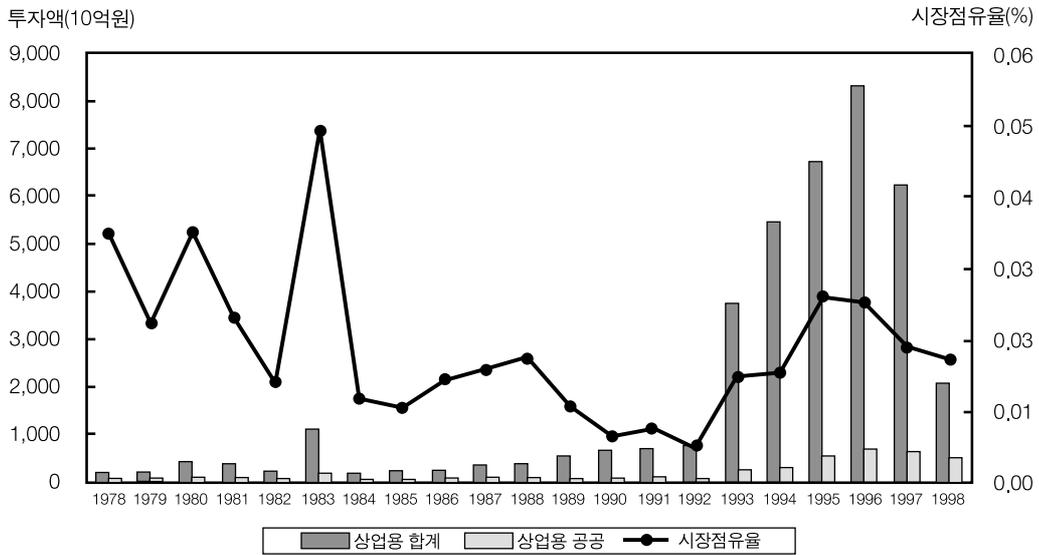


< -19> (1999 2003)



- 2000 9,726
- 20.0%, 3.3%
- 2002 가 2003 1.4%

< -20> (1978 1998)

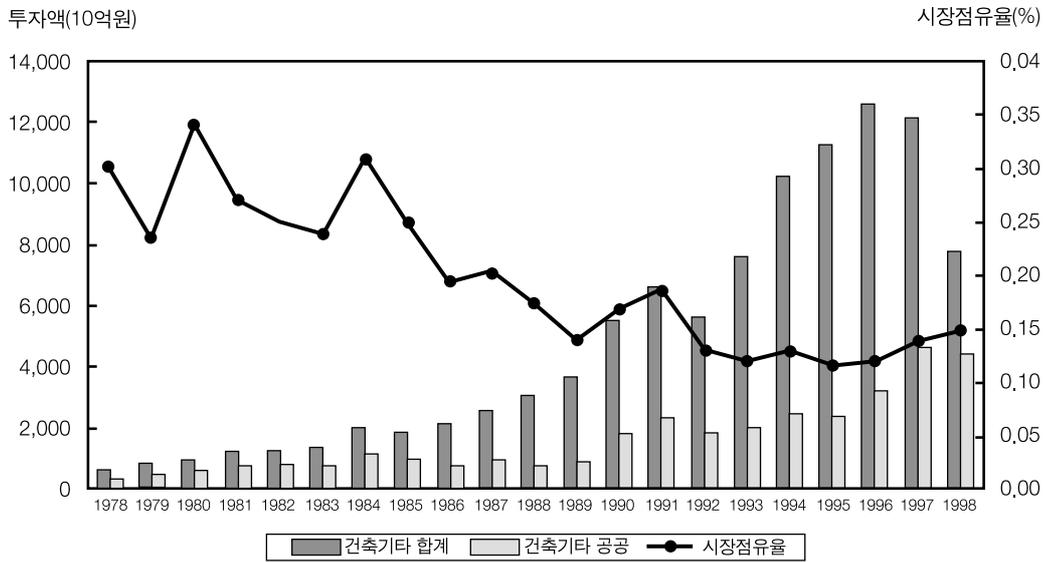
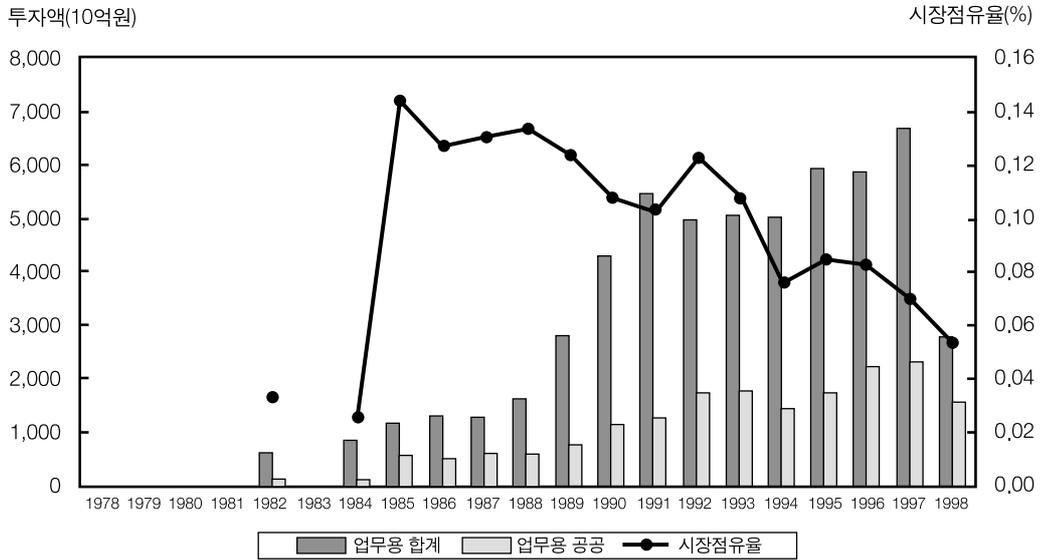


- , (1978 1998) < -20>
- , 1993 가 1996 8
- 3,124 가 , 90%
- 1992 가 ,

--- , (1978 1998) < -21> .

• 1980 가

가 .



가 (< -23>).

• 2000 2 595 , 가

• 2001 2002 가 2003 2

2,429 가 2000 2003 5.2%

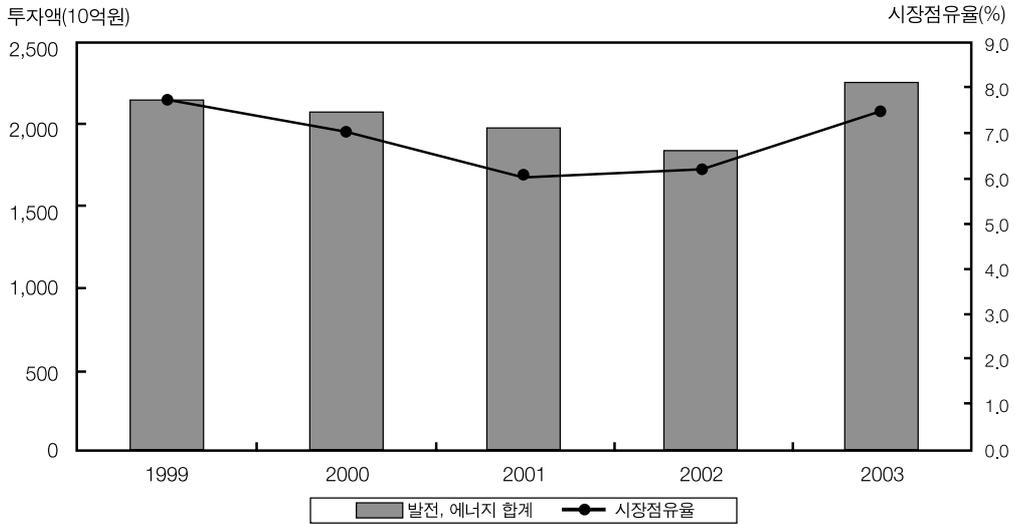
가

• 2001 , 2002 가

2000 2003 6.7%

< -23>

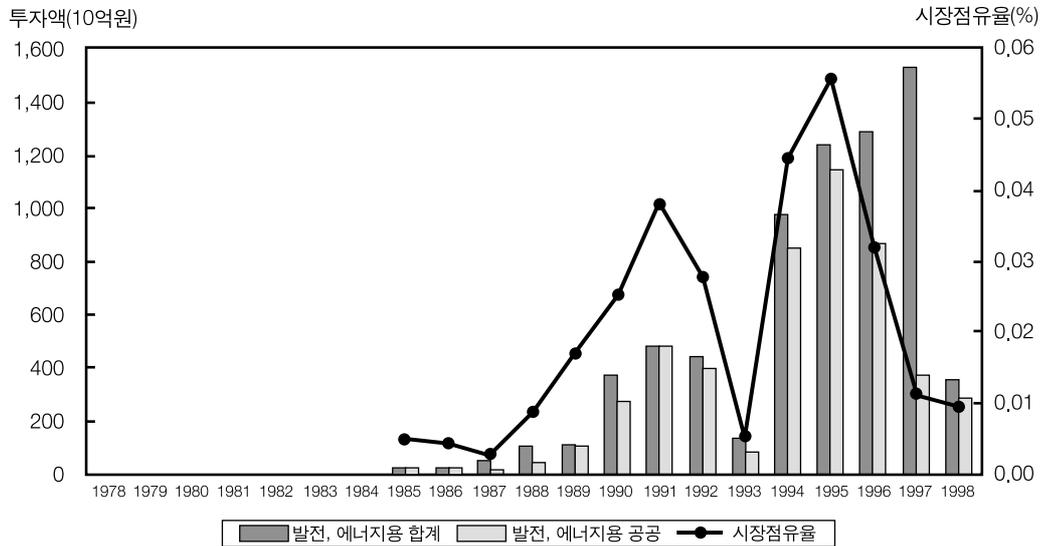
(1991 2003)



(1978 1998) <

-24> , 5

• 1993 가 , 1995



가 가

(< -25>).

가

2000 1999 17.4%가 가 9,161 가

3.1%

• 2001 2002 가 24.0% 17.7%가 가 1 1,363

1 3,379 .

(1993 1998) , < -

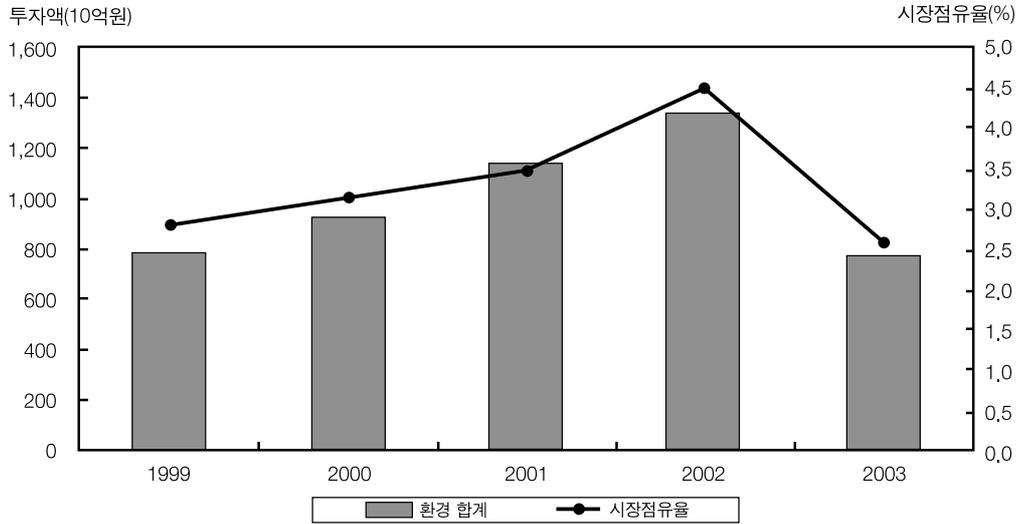
26> .

• 1993 가 9,000

, IMF .

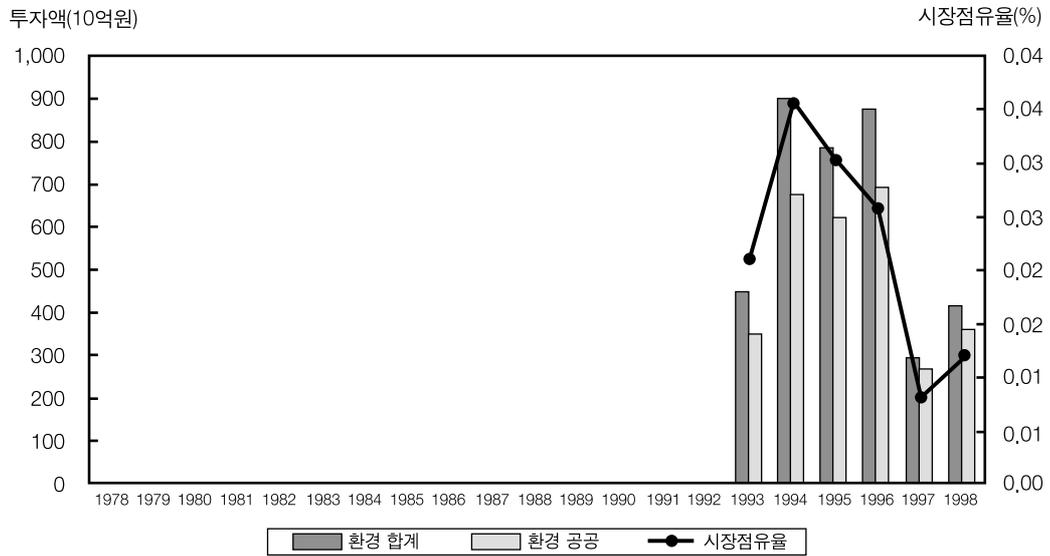
< -25>

(1999 2003)



< -26>

(1993 1998)

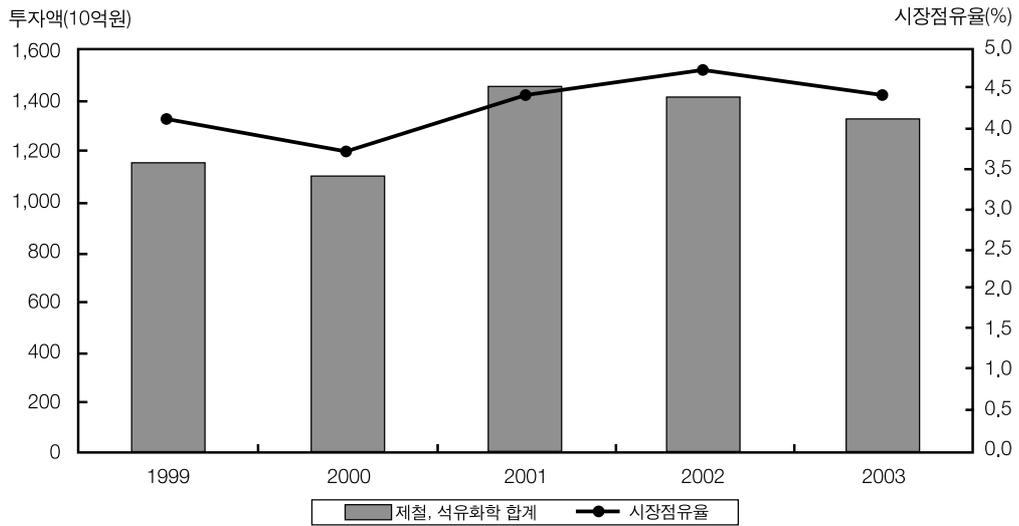


가 (< -27>).

• 2000 1 970 가

2001 32.3%가 가 1 4,517 .
 • 2000 3.7% 2003 4.4% 가

< -27> (1999 2003)



--- , 2000 9,650 가 , < -28> 가 가

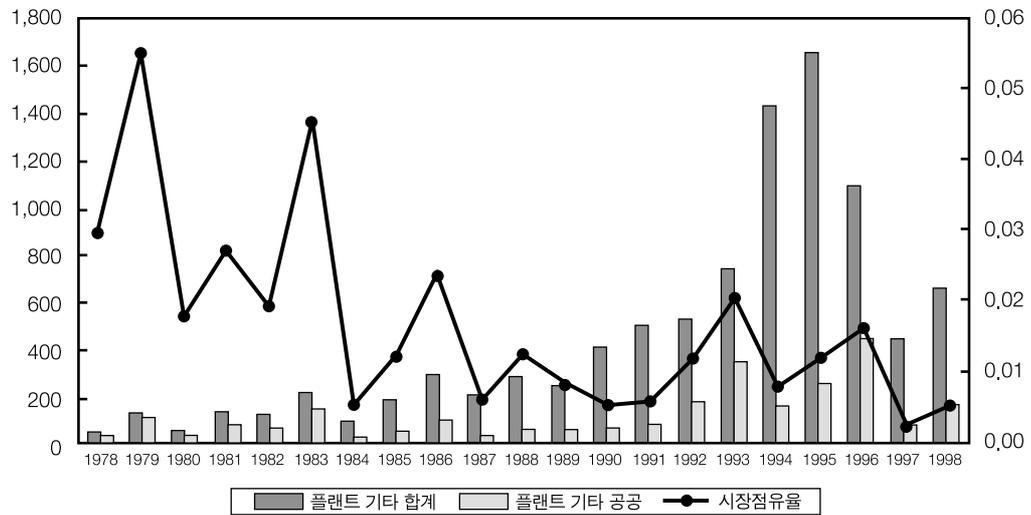
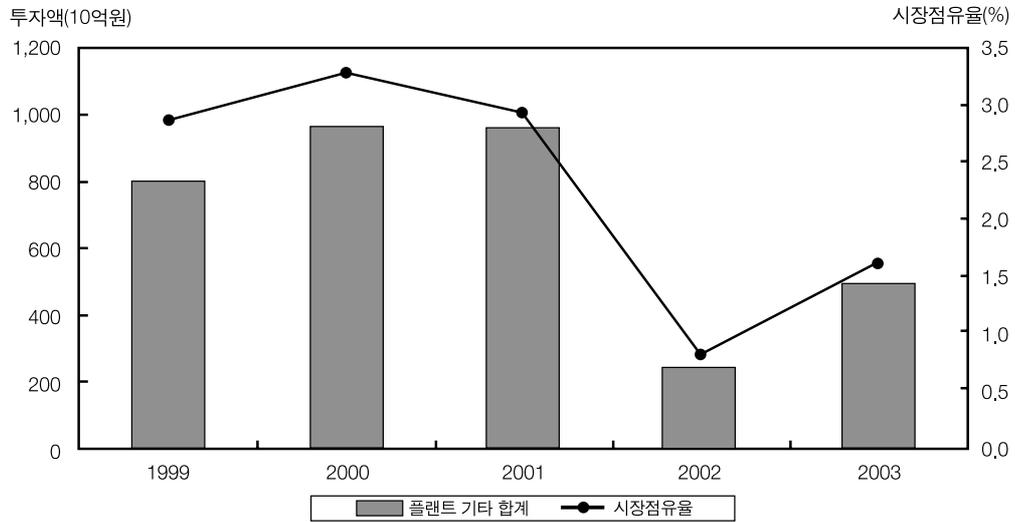
--- , (1978 1998) < -

29>

• 1980 1990 ,

가 ,

0.02%



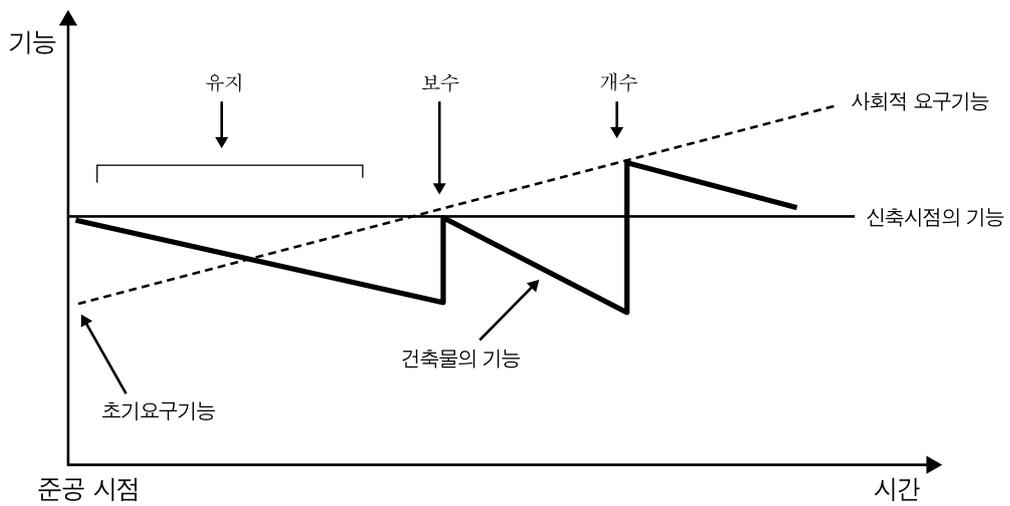
4

1)

(1)

•
•
()
75% ()
25%

< -30 >



,

. .

•

.

,

10

가

가

, ,

.

(,) .

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, .

•

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3가

, ,

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, , ,

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-

가

가

가

.

•

가

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•

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가

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가

가

.

•

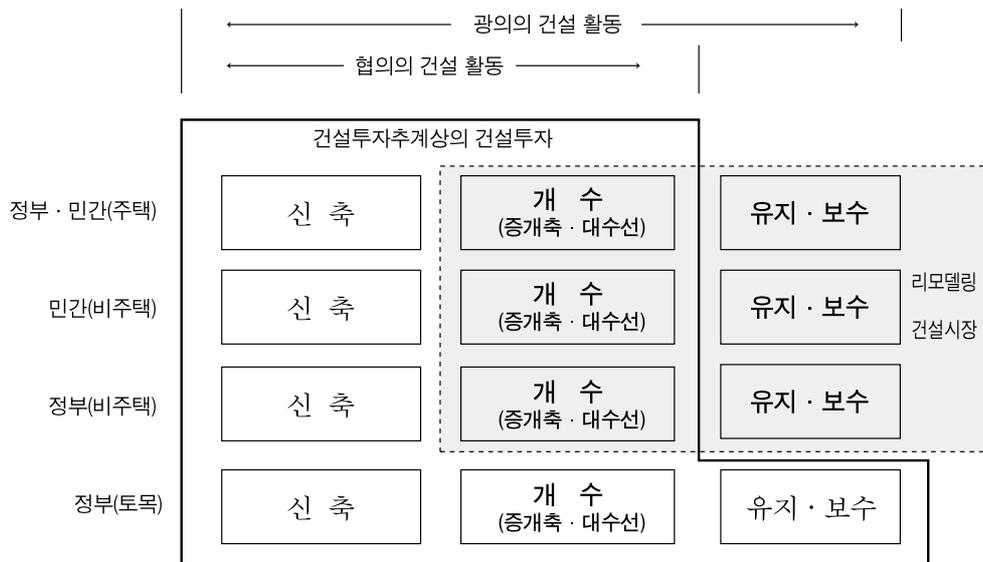
,

.

,

가

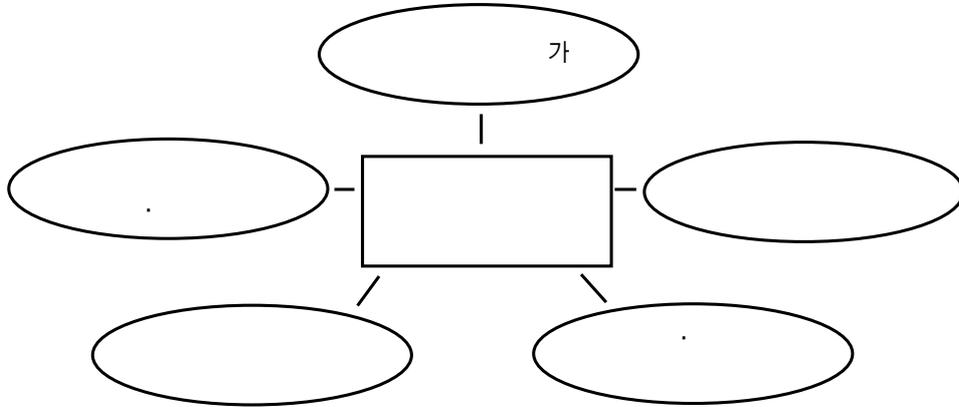
< -31>



(2)

5가

가,



가

--- 45 55
 가 10 20
 • 15 20

< - 23 > 가 (1975 1694) : m², %

					/
20 24 (1975 1979)	117,071(100.0)	66,250(56.6)	18,045(15.4)	20,415(17.4)	12,361(10.6)
15 19 (1980 1984)	155,632(100.0)	83,960(53.9)	37,749(24.3)	15,335(9.9)	18,588(11.9)
10 14 (1985 1989)	279,153(100.0)	142,435(51.0)	75,582(27.1)	36,514(13.1)	24,622(8.8)
5 9 (1990 1994)	550,260(100.0)	317,387(57.7)	123,165(22.4)	56,394(10.2)	53,314(9.7)
(1975 1994)	1,102,116(100.0)	610,032(53.2)	254,541(23.0)	128,658(13.7)	108,885(10.1)

: , 「 , 1995. 9; , 「 , 1995.

--- 1960

가

• 20 3,500 , 15 19
 4,700

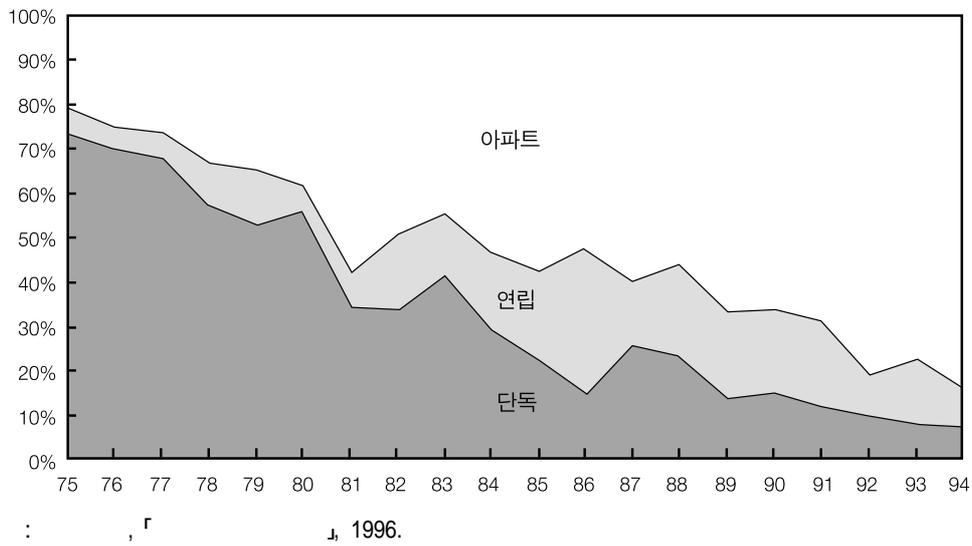
• 25% 가 15 24

--- 가

• , .

< - 33 >

(1975 1994)



--- 2000

가

• OECD 가
가

2008

• 2018

--- , CO₂

50%

- 35% , , 15% ,

--- 1992

(ESCO: Energy Service Company)

-
- , 가 ,
- 5%

가

가

- , , , 가

가

- , , , , , 가 , 가

가

가

< -24>

: %

	A. • •	B. • • 가 • •	C. • • • •	D. • • •가
	E. • OA • • •	F. • • • •	G. • • • •	H. • • •
	I. • •	J. • •	K. •	L. • •
	M. • • •	N. • • •	O. • •	P. • •

: SUNCOH, 建物 リットオ - ム マニュ - アル, 1997.

•

--- () , 30 60%

•

--- ()

• .

•

2002

, ESCO

• , IBS

가

•

--- 2001

< -25> ESCO

	1993 95	1996	1997	1998	
ESCO ()	72	55	57	381	565
()	9	24	25	153	211

③

1980 1995

1995 가

7.7%

- 1995 , 6 1,000 7.4%
 - (1995 62.6%) (9.6%) 가
- 1995 7,000
- 1995 8.3%

< - 26 >

: 10 (1995 가), %

1980	2,010(100.0)	963(47.9)	264(13.2)	283(38.9)	1,047(52.1)
1985	3,666(100.0)	1,474(40.2)	260(7.1)	1,932(52.7)	2,192(59.8)
1990	5,426(100.0)	2,795(51.5)	328(6.0)	2,303(42.5)	2,631(48.5)
1995	6,115(100.0)	3,827(62.6)	233(3.8)	2,055(33.6)	2,288(37.4)
1980 95 가	7.7	9.6	-0.8	6.6	5.3

: 「 」

--- 25 ~ 40%

- 1997 , 15 가 35%
- 1998 31.7%
- 1995 (1995 가) 19 9,000 79 25.2%

(4)

--- 2000 (1995 가) 3 4% 7%

• 1995 6 8,000 2000 9
 5,000 , 2005 13 4,000 14%

--- , 2000 ,
 가

• 2010 2015

--- 3가

• ,
 -
 • , (1997
 , 44%, 35%)

- 가 가

- 80

• ,
 - 가

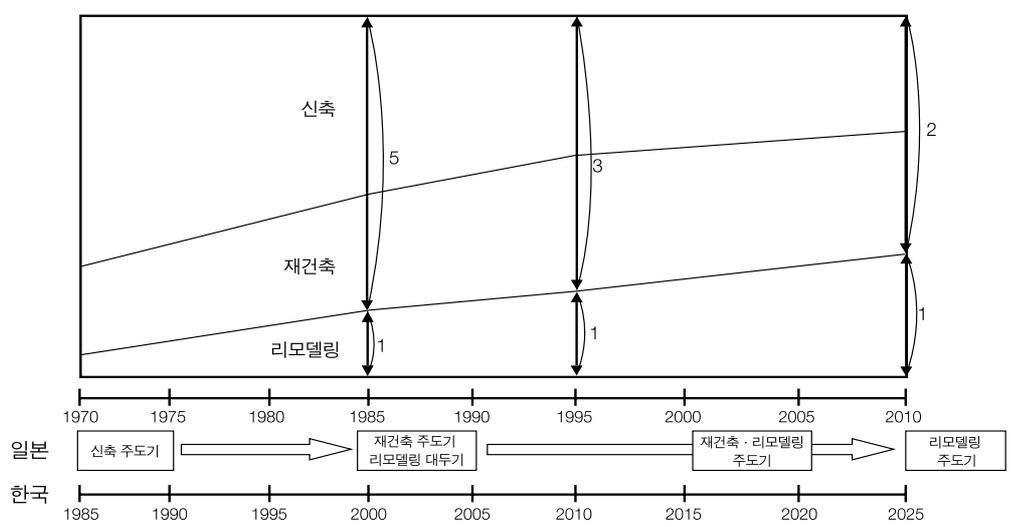
- 2000 , 2000 15 , 가 , 2010 20 25%

< -27>

	2000	2010	2020	2025
	• 가	•	•	•
	8 10%	15 20%	25 30%	30%
	12 15%	20 25%	30 35%	35%

- 2015 ,
- , 2025 35%

< -34>



: 가

(2)

--- < -29> , 1999 12
 378 , 1,673 m²(507) .
 • , 136
 , 9 5,918 , 93 2 3,223

< -29> (1999. 12. 31)

	()	(m ²)	()	가 ()
	229	8,195	66,858	119,141
	96	6,961	57,650	141,524
	53	1,574	13,096	-
	378	16,730	137,604	260,665
	169	5,833	50,246	103,775
	93	6,848	56,972	138,567
	46	1,344	11,668	-
	308	14,025	118,886	242,342

--- , 1999 12 , 1988 1,163
 , 가 405 , 758
 • 가 17 6,715 , 708
 9 9,584 21 7,824 .
 • , 30
 , 5 .

(3) :

--- , 1999 6 ,
 1,118 , 790 (70.7%),
 124 (11.1%), 30 (2.7%)가 ,

84.4% 944 가 .

- 1999 4 ,
1,755 85 2,000 .
- 2000 2005 가 1980 1985
359 557 , 16 3,000 27 3,000
- , 가 2 가 ,
54 가 .

--- , () , ,
3,497 , 106 가 .

- 2000 2005 가 1980 1985
(5) 123 803 , 2
2,000 12 6,000 .
- , 가 1.9 가
, 25 가 .

< -30> (2000 2005) : , 10,000

	1,755	85.2	3,497	106.0	5,252	191.2
	359 557	16.3 27.3	123 803	2.2 12.6	482 1,360	18.5 39.9
	-	54.0(68.3)	-	25.0(31.6)	-	79.0(100.0)

: ()
: , 「2000 , 1999. 12.

--- , 2000 2005
482 1,360 18 5,000 39 9,000

- 54 (68.3%) 25
(31.6%) , 79 .

3) SOC

(1) SOC

--- 가
가

- SOC 가 가 ,

- , SOC

--- 2000 5 가 ,
KEDO 3 .

- KEDO
()
2 .

--- 2000 6 2000 7 9 1, 2
SOC 가

- SOC

--- SOC SOC
, 가
가

- SOC 10 SOC

- , SOC 1 (GNI)

(2) SOC

--- 1999 , (GNI) 3.9%
 , 1 GNI 8.3% .
 • 1990 -2.8% 10
 2 .
 < -31> . (GNI) : , 10,000

	(A)		(B)		(B/A) × 100(%)	
	GNI() 1	GNI()	GNI() 1	GNI()	GNI	1 GNI
1991	2,949	6,810	229	1,115	7.8	16.4
1992	3,143	7,183	211	1,013	6.7	14.1
1993	3,452	7,811	205	969	5.9	12.4
1994	4,017	8,998	212	992	5.3	11.0
1995	4,881	10,823	223	1,034	4.6	9.6
1996	5,183	11,380	214	989	4.1	8.7
1997	4,740	10,307	177	811	3.7	7.9
1998	3,130	6,823	126	573	4.0	8.4
1999	4,021	8,581	158	714	3.9	8.3

: , 「 GDP 」 .

--- 1999 1 714 1975 1976
 가 (1 GNI : 75 592 , 76 799) .

--- . 1
 , , .
 • 1999 6.1% , SOC
 가 .

	1997	1998	1999	1997	1998	1999
	5.4	4.9	5.0	28.9	29.6	31.4
	0.4	0.4	0.4	6.7	6.6	7.3
	28.9	30.9	31.8	18.8	19.0	18.3
가	2.1	2.4	2.6	4.3	4.2	4.5
	11.6	10.1	8.8	6.3	5.1	6.1
	51.6	51.2	51.4	35.0	35.6	32.4

: , 「 GDP 」 .

SOCC

--- 1998 739 kW 17.0% .
 • 170 kWh 7.9% , 1990 277 kWh

 • 2 3,407km 27% , 1 6
 42%가 3 , 10%

• 682km
 50km

--- 7) (5,214km)
 78%

7) 1998, 「 , 74%, 18%, 8% 17%, 64%, 19% (, 」) .

- 79% 4,132km가 (10%).

- 98%가

--- , 8 3,501 /

8.4%

- 1980

- 53% ()

가

--- 9 가 ⁸⁾, 1970 []

가

- 1990

< - 33> . SOC (1998)

		(A)	(75)	(B)	(B/A) × 100(%)
	kW	4,341	472	739	17.0
	kWh	2,153	198	170	7.9
	km	6,683	5,619	5,214	78.0
()	km(%)	661(9.9)	415	4,132(79.2)	625.1
	km	275	10	34	12.4
	km	86,990	44,905	23,407	26.9
	km	1,996	1,142	682	34.2
	%	74.5	22.3	10	-
		41,625	3,183	3,501	8.4

8) 5 , , , , 4 , ,

9) 1991 70 , 1999
3 80 1 4,000

- (1985) : 가 SOC 가
27.4% 가 가 .
- (1990) : SOC 10
SOC 가 가 44.8% 가 .
- SOC

- ,
- ,
- , 110 (12 3,000)
130 10% ¹²⁾
- 가 가 30%
25.5%가
0.3(30%) × 0.85(85%) = 0.255(25.5%)

SOC	=	×	× 0.45
-----	---	---	--------

< - 34 > SOC

	45	75	70	85 ¹⁾	70
(%)	54.9 / kW	61 /km	120 /km	8.5 /	300 /km ²
	40.9 / kW	45 /km	89 /km	6.3 /	220 /km ²

: 1)

12) KEDO , 가
15% , 가

SOC

- 5 | 19 7,450 ,
44 3,600 , 72 5,750
- , 2 9,940 , 7 3,130 , 10 4,300
가 .
- 5 2,650 , 16 8,530 , 27
3,870 가 .
- 78%
, 3 2,490 , 5 5,710 , 6 9,600
- 3 4,850 , 5
9,990 , 13 3,440
- 9 10
4 7,520 , 8 6,240 , 14 4,540

< - 35> SOC (2000 2010) : 10

	(1980)	(1985)	(1990)
	2,994	7,313	10,430
	5,265	16,853	27,387
	3,249	5,571	6,960
	3,485	5,999	13,344
	4,752	8,624	14,454
	19,745	44,360	72,575

SOC

- SOC .
- SOC 가 가
- , SOC 가

SOC

--- SOC 가 ,
가 가 ,
가 .
• , , []

• [] .
• , , .

--- 가 .

--- SOC SOC
• 4,130 7,000
가 SOC 가

• , (ODA),
SOC ,

• 가 .

--- SOC SOC

5

1) .

(1) 가

--- 가

• , 가 가
가

• 2000 , 20 24
(1998 : 29 , 26.2) 가
가

• .

(2)

--- 가 가

, 가 가 .

--- . 가가 ,
가가 .

2)

(1)

--- 2002 가 , 2003

- 가 가 .
 - 가 ,
- 가 .

--- , , 가

(2)

- ,
- 가 가 .
- Project Financing
- 가 가

(3)

--- 가

- 가 가 .
- 가

• 가 .

--- 100% 가

• , 가 .

(4)

--- 가 가 .
• 가 , 가가
,
가 .

(5)

--- 가 ,
가 .

(6)

--- 가 .
• , , , 가가 .
--- , 가 가

(7)

--- IT

가가 1

--- 가
가

• 가

--- , 가

3)

(1)

--- SOC ,

• 가

• 가

• , 가

가가

(2)

--- 2003

가

• , 가

가

• 가

--- 가 , 가

가 .

(3) CM

--- , CM .

• CM CM 가

• , CM

4)

--- 가 ,

• 가

제4장 요약 및 결론

--- () 2003 3.8%, ()
3.0% 가 ,
가
• 1990 6.7% 2000 5%
• 가 가

--- 가
가가 .
• 가 가 ,
가

--- Project financing 가 ,
• 가 가

- 가

--- WTO, Global Economy, IMF

- , 가 ,
- / , (LCC: Life Cycle Costs)
가
- , Sensor, robotics,
(Remote control) Trenchless tunneling
microtunneling 가

- / / , 가
- 가
- 가

- 가 가
- 가

