

# TAIWAN'S ECONOMIC SITUATION AND OUTLOOK

April 2004



Council for Economic Planning and Development

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# CONTENTS

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## **I. GLOBAL ECONOMY**

## **II. DOMESTIC ECONOMY**

1. Economic Growth
2. Foreign Trade
3. Domestic Investment
4. Industrial Production
5. Employment
6. Prices
7. Money and Interest Rates
8. Business Conditions

## **II. CURRENT ISSUES AND POLICIES**

1. Issues
2. Policy Initiatives

## **III. PROSPECTS**

# I. GLOBAL ECONOMY

## Latest IMF forecasts (April 2004) :

- ⇒ **World economic growth:** Estimate for 2003 and forecast for 2004 are 3.9% and 4.6%, respectively.
- ⇒ **Trade volume:** Estimate for 2003 and forecast for 2004 are 4.5% and 6.8%, respectively.

	IMF			Global Insight		
	2003	2004	2005	2003	2004	2005
<b>World Economic Growth %</b>	<b>3.9</b>	<b>4.6</b>	<b>4.4</b>	<b>2.8</b>	<b>4.1</b>	<b>3.5</b>
United States	3.1	4.6	3.9	3.1	4.8	3.6
Japan	2.7	3.4	1.9	2.7	4.1	2.5
Euro area	0.4	1.7	2.3	0.5	1.5	2.2
Developing Asia	7.8	7.4	7.0	-	-	-
Asia excluding Japan	-	-	-	6.4	6.8	6.1
Asian NIEs	3.0	5.3	5.0	-	-	-
<b>World Trade Volume Growth %</b>	<b>4.5</b>	<b>6.8</b>	<b>6.6</b>	<b>4.6</b>	<b>6.9</b>	<b>7.3</b>

Sources: International Monetary Fund, *World Economic Outlook 2004*, April 2004.  
Global Insight, Inc., May 14, 2004.

# II.1 DOMESTIC ECONOMY

## 1. Economic Growth

Thanks to a pick-up in export growth and the successful containment of the SARS epidemic in the latter half of 2003, Taiwan was able to grow 3.2% in 2003. The economy is preliminarily estimated to have grown 6.3% in the first quarter of 2004, as exports and production continued to expand with strengthened global recovery and as private investment stepped up in pace.

### Contribution to Economic Growth

Percentage point

	Economic growth (yoy)	Domestic demand								Net foreign demand		
		Total	Consumption		Gross fixed capital formation				Increase in inventory	Total	Exports of goods & services	Less: Imports of goods & services
			Private	Govt	Subtotal	Private sector	Public enterprises	Govt				
1998	4.6	6.4	3.9	0.6	1.9	1.8	0.1	0.0	0.1	-1.8	1.2	3.0
1999	5.4	1.9	3.3	-0.9	0.4	-0.1	0.3	0.2	-0.9	3.5	5.7	2.1
2000	5.9	3.9	3.0	0.1	2.0	2.4	-0.1	-0.3	-1.2	2.0	8.8	6.9
2001	-2.2	-4.9	0.6	-0.1	-4.9	-4.8	0.1	-0.2	-0.5	2.8	-4.4	-7.1
2002	3.6	1.0	1.2	-0.02	-0.4	0.3	-0.1	-0.7	0.2	2.6	5.3	2.6
2003	3.2	0.9	0.5	0.1	-0.3	-0.1	-0.1	-0.1	0.6	2.4	5.9	3.5
2004(f)	5.4	4.8	1.8	0.1	2.4	2.6	-0.2	0.00	0.6	0.6	7.9	7.3
Q1(p)	6.3	5.1	2.0	0.2	2.1	2.2	-0.2	0.0	0.9	1.2	10.5	9.3
Q2(f)	6.8	5.3	2.5	0.10	3.0	3.1	-0.2	0.0	-0.3	1.4	12.3	10.8
Q3(f)	4.6	4.7	1.4	0.02	2.4	2.6	-0.2	0.0	0.9	-0.1	7.5	7.6
Q4(f)	4.2	4.3	1.3	0.00	2.2	2.4	-0.3	0.0	0.9	-0.1	2.1	2.3

p: Preliminary. f: Forecast. r: Revised.

Source: Directorate-General of Budget, Accounting, and Statistics, 185th Commission on National Income Statistics Meeting, May 14, 2004.

## II.2 DOMESTIC ECONOMY

### 2. Foreign Trade

#### (1) Two-way Trade

- ⇒ Improving significantly from 2002, exports and imports posted double-digit increase rates in 2003. The trend continued in the first four months of 2004.
- ⇒ In 2003, trade surplus amounted to US\$16.9 billion, the third highest historical level. It registered US\$2.9 billion in January-April 2004.

#### Foreign Trade

Unit: US\$ billion; yoy %

	Trade		Exports		Imports		Balance \$
	Value \$	Growth %	Value \$	Growth %	Value \$	Growth %	
1998	215.2	-9.0	110.6	-9.4	104.7	-8.5	5.9
1999	232.3	7.9	121.6	10.0	110.7	5.8	10.9
2000	288.3	24.1	148.3	22.0	140.0	26.5	8.3
2001	230.1	-20.2	122.9	-17.2	107.2	-23.4	15.6
2002	243.1	5.7	130.6	6.3	112.5	4.9	18.1
2003	271.5	11.7	144.2	10.4	127.3	13.1	16.9
<b>2004 Jan-Apr</b>	<b>104.8</b>	<b>25.9</b>	<b>53.9</b>	<b>22.5</b>	<b>50.9</b>	<b>29.8</b>	<b>2.9</b>

Source: Ministry of Finance.

## II.2 DOMESTIC ECONOMY

### (2) Major trading partners

- ⇒ Exports to and imports from Hong Kong and Mainland China, among major trading partners, have expanded the fastest since 2002.
- ⇒ Exports to and imports from the United States returned to positive growth in the first four months of 2004 after declining for the previous three years.

### Changes in Two-way Trade with Major Trading Partners

	Exports (annual change rate %)					Imports (annual change rate %)				
	USA	Japan	Europe	Hong Kong and Mainland China	ASEAN 6*	USA	Japan	Europe	Hong Kong and Mainland China	ASEAN 6*
1999	5.2	27.6	3.5	11.3	21.3	0.1	13.3	-14.6	9.2	15
2000	12.7	39.5	16.7	24.5	29.3	27.6	26	8.1	27.1	40.4
2001	-20.6	-23.1	-16.5	-10.8	-21.6	-27.4	-33	-21.2	-7.8	-21.2
2002	-3.2	-6.1	-6.3	28.7	2.9	-0.7	5.5	-2.3	24.9	3.7
2003	-3.1	-0.5	10.2	22.1	8.9	-7.0	19.6	10.9	31.0	5.4
<b>2004 Jan-Apr</b>	<b>1.5</b>	<b>11.0</b>	<b>21.3</b>	<b>36.4</b>	<b>35.5</b>	<b>33.3</b>	<b>35.3</b>	<b>31.3</b>	<b>45.9</b>	<b>14.9</b>

\*ASEAN6 refers to Indonesia, Malaysia, the Philippines, Singapore, Thailand and Vietnam.

Source: Ministry of Finance.

## II.2 DOMESTIC ECONOMY

### (3) Trade Structure

- ⇒ The share of heavy and technology-intensive industrial products of total exports continued to rise after it shrank slightly in 2001. It rose considerably to 75.3% in 2003 and further to 77.1% in the first four months of 2004.
- ⇒ The share of imports of capital goods decreased to 20.5% in 2003 and increased slightly to 20.9% in January-April 2004.

### Composition of Foreign Trade

	Composition (%)						Change (yoy % in US\$)	
	1996	2000	2001	2002	2003	2004 Jan-Apr	2003	2004 Jan-Apr
Exports	100	100	100	100	100	<b>100</b>	10.4	<b>22.5</b>
Agricultural Products	0.4	0.2	0.2	0.3	0.3	<b>0.2</b>	8.4	<b>-8.2</b>
Processed Agricultural Products	3.1	1.2	1.4	1.3	1.2	<b>1.1</b>	4.1	<b>9.7</b>
Industrial Products	96.5	98.6	98.4	98.4	98.5	<b>98.6</b>	10.5	<b>22.8</b>
Heavy & Technology-intensive Industry*	60.5	71.4	71.1	73.1	75.3	<b>77.1</b>	13.8	<b>27.4</b>
Others	36.0	27.2	27.3	25.3	23.2	<b>21.5</b>	1.0	<b>8.8</b>
Imports	100	100	100	100	100	<b>100</b>	13.1	<b>29.8</b>
Capital Goods	17.9	28.0	25.0	23.0	20.5	<b>20.9</b>	0.4	<b>36.9</b>
Raw Materials	69.0	64.1	65.7	67.7	70.8	<b>70.7</b>	18.3	<b>28.9</b>
Consumer Goods	13.1	7.8	9.2	9.3	8.7	<b>8.5</b>	6.4	<b>20.9</b>

\* Including industries of chemicals, chemical products, rubber products, plastic products, basic metals, fabricated metal products, machinery & equipment, electrical & electronic machinery, transport equipment, and precision instruments.

Source: Ministry of Finance, *Monthly Statistics of Exports and Imports*, May 2004.

## II.3 DOMESTIC ECONOMY

### 3. Domestic Investment

Real gross fixed capital formation shrank 1.6% in 2003, improving from -2.1% in 2002. Thanks to a more assured trend of global recovery and the resultant acceleration in private investment, total investment is estimated to have expanded 10.4% in the first quarter of 2004 and is expected to increase 13.8% in the whole year.

#### Real Gross Fixed Capital Formation

NT\$ billion; yoy %

	Total		Private investment		Public enterprises investment		Government investment	
	Amount	Growth rate	Amount	Growth rate	Amount	Growth rate	Amount	Growth rate
1999	2101.2	1.8	1352.6	-0.7	239.2	13.3	509.3	3.6
2000	2282.0	8.6	1565.6	15.7	230.9	-3.5	485.5	-4.7
2001	1811.6	-20.6	1108.9	-29.2	240.3	4.1	462.4	-4.8
2002	1773.0	-2.1	1136.7	2.5	234.7	-2.3	401.6	-13.1
2003(p)	1744.7	-1.6	1128.7	-0.7	221.7	-5.5	394.3	-1.8
2004(f)	1985.3	13.8	1387.5	22.9	203.1	-8.4	394.7	0.1
Q1(f)	413.5	10.4	303.8	21.7	30.6	-12.1	79.1	0.2
Q2(f)	468.3	17.9	327.6	29.1	44.1	-7.2	96.7	0.9
Q3(f)	494.6	14.3	346.2	23.8	46.6	-8.6	101.7	-0.2
Q4(f)	608.9	10.4	409.9	18.6	81.8	-7.5	117.3	-0.4

f: Forecast. p: Preliminary. r: Revised.

Source: DGBAS, 185th Commission on National Income Statistics Meeting, May 14, 2004.



## II.4 DOMESTIC ECONOMY

### 4. Production

Industrial production continued to grow, at a pace of 7.2%, in 2003. It increased 13.5% in January-April 2004, as manufacturing industry expanded 14.7%.

**Growth Rate of Industrial Production** %

	Industrial production	Mining	Manufacturing	Electricity, gas, and water	Construction
2000	6.9	-8.5	8.1	7.7	-14.7
2001	-7.8	0.1	-8.4	1.1	-11.2
2002	7.9	8.3	9.4	3.3	-20.7
2003	7.2	-7.4	7.4	3.8	8.9
Q2	1.4	-0.03	1.6	1.5	-2.7
Q3	7.4	-8.9	7.0	5.9	32
Q4	12.6	-23.3	13.3	4.4	17.9
<b>2004 Jan-Apr</b>	<b>13.5</b>	<b>-10.8</b>	<b>14.7</b>	<b>4.1</b>	<b>-3.3</b>

\*Including industries of chemicals, chemical products, rubber products, plastic products, basic metals, fabricated metal products, machinery & equipment, electrical & electronic machinery, transport equipment, and precision instruments.

Source: Ministry of Economic Affairs, *Industrial Production Statistics Monthly, Taiwan*.

## II.5 DOMESTIC ECONOMY

### 5. Employment

Nonagricultural employment has displayed marked improvement since the third quarter of 2003. The unemployment rate gradually lowered to below 5% in the third quarter of 2003, after increasing to a record high in 2002. It fell further to 4.5% in January-April 2004.

	Labor Force		Unemployment		Nonagricultural employment	
	1,000 persons	participation %	1,000 persons	Unemployment Rate (% , Average)	1,000 persons	yoy, %
2000	9,784	57.7	293	2.99	8,753	1.6
2001	9,832	57.2	450	4.57	8,677	-0.9
2002	9,969	57.3	515	5.17	8,745	0.8
2003	10,076	57.3	503	4.99	8,877	1.5
Q2	10,034	57.2	501	5.00	8,836	1.1
Q3	10,117	57.5	524	5.14	8,897	1.6
Q4	10,129	57.4	480	4.74	8,964	2.3
<b>2004</b>						
<b>Jan-Apr</b>	<b>10,164</b>	<b>57.4</b>	<b>456</b>	<b>4.49</b>	<b>9,048</b>	<b>2.6</b>

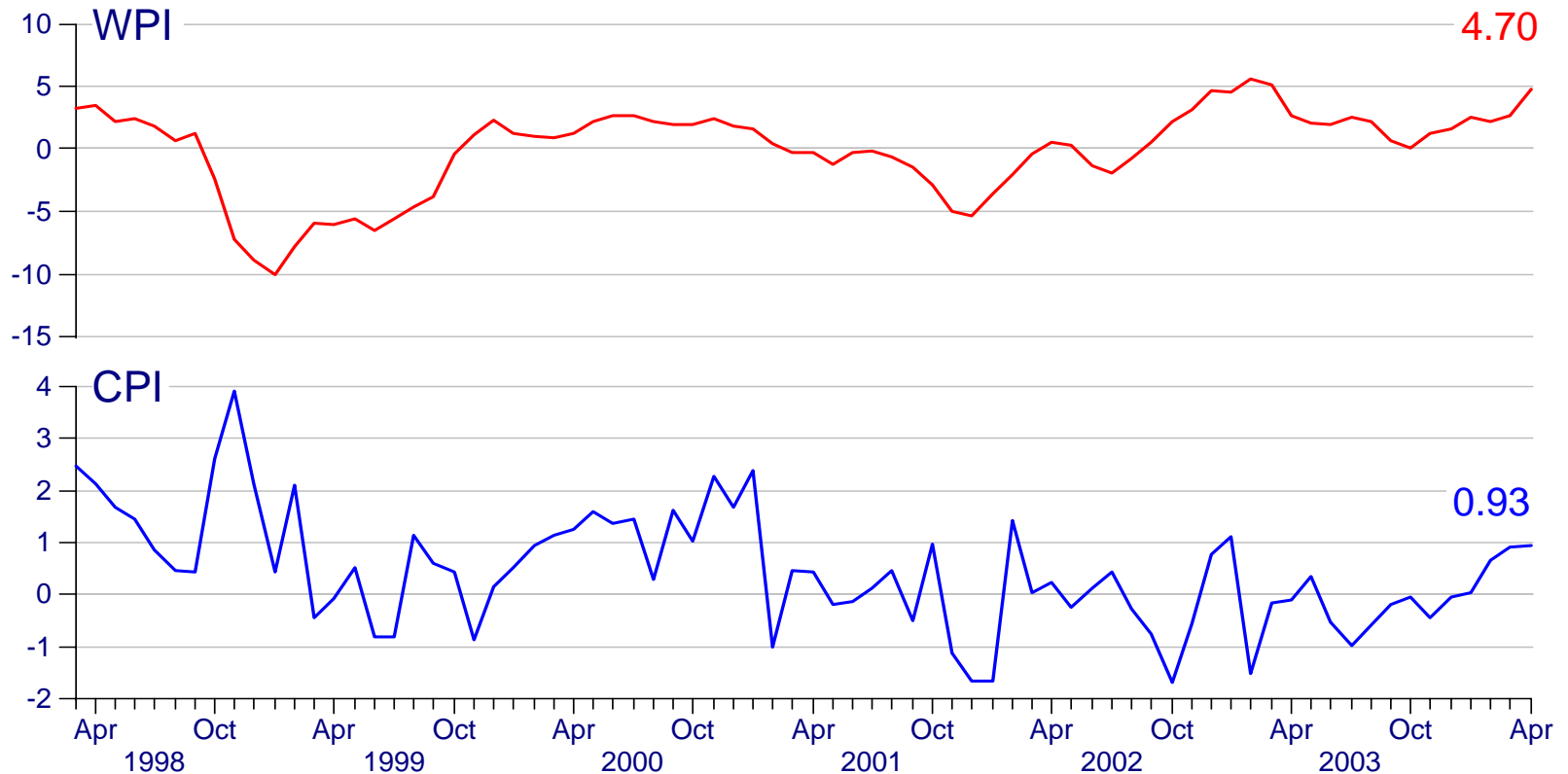
Source: Directorate General of Budget, Accounting, and Statistics.

## II.6 DOMESTIC ECONOMY

### 6. PRICES

Wholesale prices increased 2.5% and consumer prices decreased 0.3% in 2003. In April 2004, wholesale prices and consumer prices rose 4.7% and 0.9%, respectively, from a year earlier.

### Price Change (% change over a year)



## II.7 DOMESTIC ECONOMY

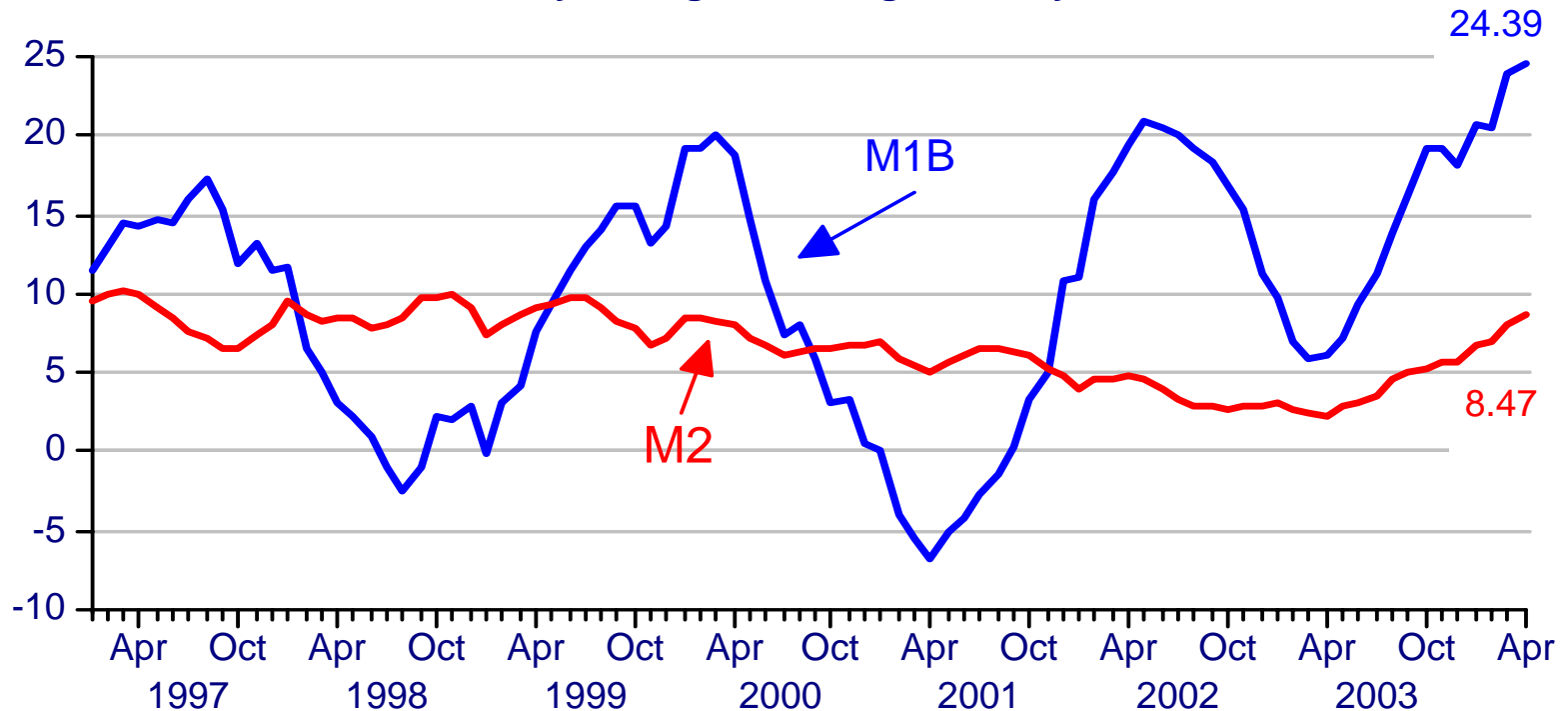
### 7. Money & Finance

#### (1) Money Supply

The annual growth rate of M1B and M2 recorded 11.8% and 3.8%, respectively, in 2003. In April 2004, M1B grew 24.4%, the fastest in 15 years, while M2 expanded 8.5%.

### Money Supply

Daily average, % change over a year



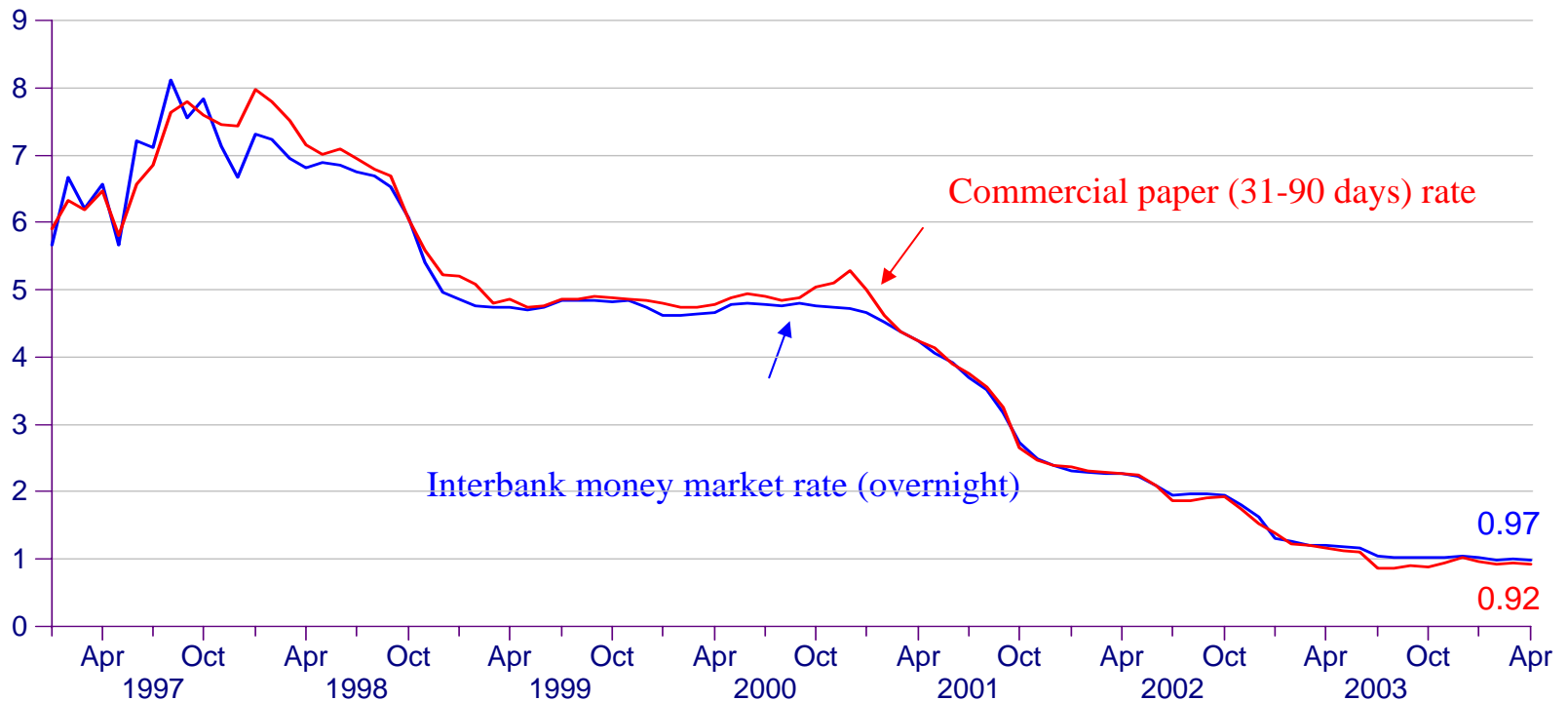
Source: CEIC.

# II.7 DOMESTIC ECONOMY

## (2) Interest Rates

Market interest rates have been lowered continuously until the third quarter of 2003, reaching historically low levels and reflecting the loosening situation in the money market. The downward trend has leveled off since the last quarter of 2003. In April 2004, commercial paper rate and interbank rate posted 0.9% and 1.0%, respectively.

### Interest Rate (%)



Source: CEIC.

## II.8 DOMESTIC ECONOMY

### 8. Business Cycle Indicators

During the latter half of 2003, the steady recovery achieved in 2002 resumed as the SARS epidemic was brought under control. Since December 2003, the monitoring indicators have flashed yellow-red for five consecutive months, indicating continued robustness of the economy.

#### Monitoring Indicators

		2003										2004			
		4	5	6	7	8	9	10	11	12	1	2	3	4	
Total Scores		14	14	20	24	26	29	31	30	34	35	34	36	37	
Financial Sector	Monetary Aggregates M1B, yoy%													24.6	
	Direct and Indirect Finance, yoy%													9.7 <sub>p</sub>	
	Bank Clearings and Remittance, yoy%													21.8	
	Stock Price Index, 1966=100, yoy%													49.8	
Real Sector	Manufacturing New Order Index, 1996\$, 1976.1=100, yoy%													8.1 <sub>p</sub>	
	Exports, 2001\$, yoy%													25.1 <sub>p</sub>	
	Industrial Production Index, 1996=100, yoy%													12.3 <sub>p</sub>	
	Manufacturing Inventory-to-Sales ratio, %													53.5 <sub>x</sub>	
	Nonagricultural Employment, yoy%													2.7	

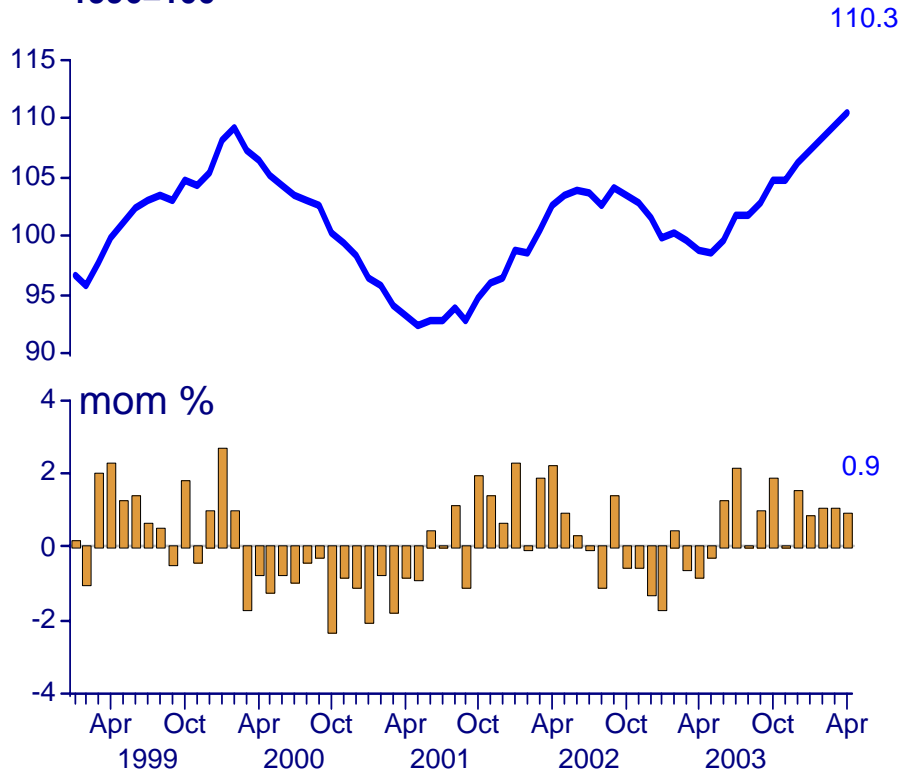
Overheating 
 Transition in need of watching 
 Steadily moving forward 
 Transition in need of watching 
 Recession

Note: All data, except stock price index, have been seasonally adjusted.

# II.8 DOMESTIC ECONOMY

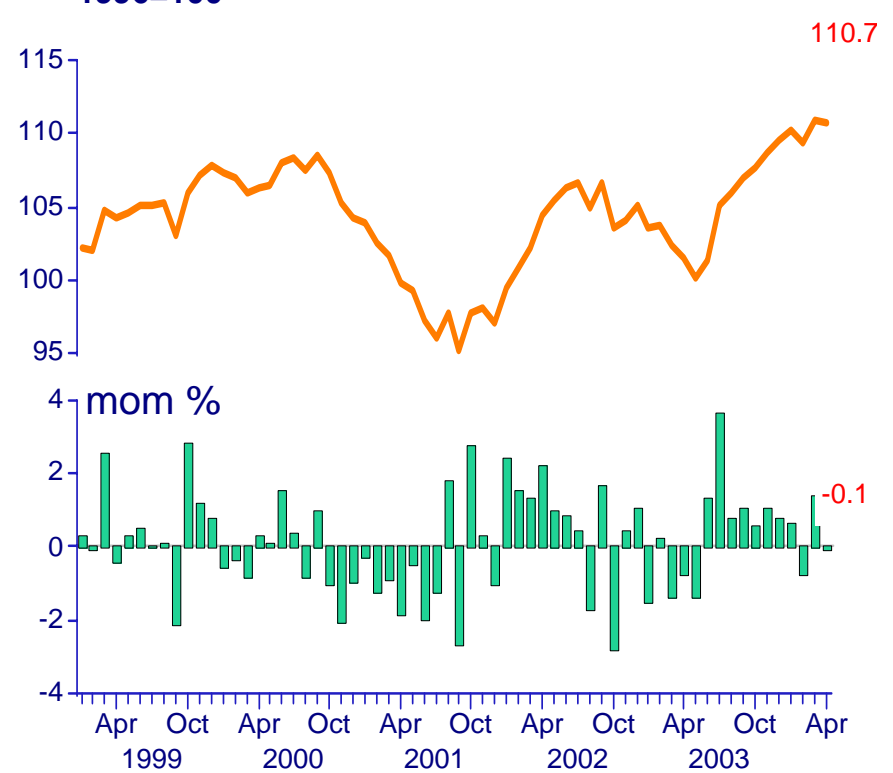
## Composite Leading Index

1996=100



## Composite Coincident Index

1996=100



Source: CEPD.

## II.8 DOMESTIC ECONOMY

⇒ According to surveys conducted by the Council for Economic Planning and Development, the manufacturing firms kept optimistic for eleven consecutive months since May 2003. For April 2004, however, the percentage of pessimists surpassed the optimists by 1 percentage point.

		Business Expectation 3 months later				Capacity Utilization (%)	Profit (%)	
		% of manufacturing firms surveyed						
		Better (1)	Unchanged	Worse (2)	Net (1)-(2)			
2003	Apr	13	61	26	-13	77.7	4.6	
	May	16	69	15	1	78.1	4.5	
	June	17	75	8	9	77.5	4.5	
	July	17	70	13	4	79.2	4.9	
	Aug	22	65	13	9	78.7	4.8	
	Sep	22	65	13	9	78.7	4.8	
	Oct	18	69	13	5	80.2	5.0	
	Nov	20	65	15	5	79.5	4.9	
	Dec	24	66	10	14	80.4	5.1	
	2004	Jan	34	59	7	27	77.1	4.7
		Feb	32	58	10	22	79.3	5.0
Mar		19	70	11	8	80.9	5.2	
Apr <sub>p</sub>		12	75	13	-1	80.5	5.1	

Source: CEPD.



# III.1 CURRENT ISSUES

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## 1. *Current Economic Issues*

- ⇒ **Dependence** on exports to and investment in mainland China is rapidly increasing yet the development of a cross-straits communications and consultation mechanism is at a standstill.
- ⇒ **Domestic demand** expanded modestly (0.6%) in 2003, and is targeted to grow 5.2% in 2004.
- ⇒ **Fiscal deficits** have expanded rapidly in the past decade, as it has become more difficult in raising fiscal revenues and contracting expenditures.
- ⇒ **Inadequate infrastructure** has been on the top list of impediments to Taiwan's competitiveness improvement by major competitiveness researchers.
- ⇒ **The banking sector** reached very high levels of non-performing loan ratio, at 8.8% in the first quarter of 2002, with problems most severe among community financial institutions. Although domestic banks as a whole improved to 4.4% in March 2004, community financial institutions still saw a level above 13%.
- ⇒ **The unemployment** rate has risen from 3.0% in 2000 to around 5% in 2002. Although declining to below 4.5% in the first quarter 2004, it is still above historical level.

## III.2 POLICY INITIATIVES

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### 2. *Key Policy Initiatives*

#### ⇒ **Easing restrictions on economic links with mainland China:**

1. The “no haste, be patient” mainland investment policy has been replaced with a less restrictive “proactive liberalization with effective management” approach.
2. The preparatory phase of cross-strait direct transportation links is already underway.
3. "Measures on cross-Strait freight facilitation" are to be announced at appropriate time.

#### ⇒ **Measures to revitalize the economy**

1. The "Taiwan first investment" program was introduced to promote private investment. Among the key initiatives are land cost reduction, trillion-dollar financing for traditional industries and small and medium enterprises, five-year tax holiday for new investment in manufacturing, and infrastructural development. The program is designated to keep annual investment above US\$35 billion over the next five years.

## III.2 POLICY INITIATIVES

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### ⇒ **Fiscal reform**

- The government has established a fiscal reform committee to draw up plans for achieving a balanced budget within five to ten years.
- Another committee has been formed to consolidate the management of state-owned properties to help relieve fiscal burden.

⇒ **Financial reform:** A financial restructuring fund (RTC) was established, with which 43 insolvent financial institutions have been liquidated since August 2001. At the same time, AMCs (Asset Management Companies) were encouraged to form to help dispose bad assets and the Financial Holding Company Law was passed to speed up integration across industries. As a result, domestic banks' non-performing loan ratio lowered to 4.4% in March 2004 from 8.3% three years ago, and community financial institutions; lowered to 13.1%.from 17.9%.

⇒ **Infrastructural development** A spending around US\$15 billion for the five years from 2004 is scheduled to step up development in transportation, high-technology, higher education, water resource and sewage management.

⇒ **Measures to increase employment:** An increase of US\$215 million in public services spending is extended to create about 40,000 jobs in public services in 2004.. Unemployment rate is expected to fall to around 4% in 2004.

## III.2 POLICY INITIATIVES

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### 3. *Challenge 2008: Six-Year National Development Plan*

- ⇒ The comprehensive six-year national development plan is designed to foster the creativity and talent Taiwan needs to transform itself into a “green silicon island.”
- ⇒ Total expenditure under the plan will be NT2.6 trillion (approximately US\$75 billion.)
- ⇒ The major goals of the plan are:
  1. To develop at least 15 products or technologies that rank among the world’s best
  2. To double the number of foreign tourists visiting Taiwan
  3. To increase R&D expenditures to 3% of GDP
  4. To reduce the unemployment rate to less than 4%
  5. To boost the economic growth rate to over 5%
  6. To expand the number of broadband Internet users to over 6 million
  7. To create 700 thousand jobs

## III.2 POLICY INITIATIVES

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⇒ The plan includes three major reforms, of government, banking and public finance, and ten major investment areas as follows:

1. Cultivate talent for the E-generation
2. Develop the cultural creativity industry
3. Develop an international base for R&D and innovation
4. Develop high value-added industries
5. Double the number of tourists visiting Taiwan
6. Develop a digital Taiwan
7. Develop Taiwan as an operations headquarters
8. Improve the transportation infrastructure
9. Conserve water resources and the ecology
10. Construct new hometown communities

# IV. PROSPECTS

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## 2003

- ⇒ The Taiwan economy resumed positive growth in 2002, following the unprecedented negative growth in 2001. The momentum continued in the first quarter of 2003, as growth reached 3.5%. However, the domestic economy was severely affected by the spread of the SARS epidemic in the second quarter, turning to a negative growth of 0.1%.
- ⇒ Growth strengthened to 4.2% in the third quarter, as the spread of SARS was brought under control by late June. Thanks to rising optimism about the global economy and the emerging effect of increased government spending, the last quarter saw 5.2% expansion.
- ⇒ The economy grew 3.2% in 2003 with consumer prices falling by 0.3%.

## 2004

- ⇒ In 2004, the momentum of the global economic recovery and world trade acceleration is expected to be notable and strong enough to keep Taiwan's export expansion as fast as 2003.
- ⇒ The positive wealth effects created with the warming-up of the stock and real estate markets will help boost private consumption.
- ⇒ Private investment is expected to grow at a double-digit rate, driven by plant expansions in the opto-electronic and semiconductor industries and such large projects as high-speed railway and the 6<sup>th</sup> naphtha cracker plant .
- ⇒ Economic growth is targeted to be 5.0% with very moderate inflation of 0.7%.

# ECONOMIC FORECASTS FOR TAIWAN

		Growth rate %		
		2003	2004	Difference from last projection
World Bank	(Apr 2004)	3.2	5.1	+2.1
IMF	(Apr 2004)	3.2	4.7	+0.6
Global-Insight (formerly DRI-WEFA)	(May 2004)	3.2	5.0	-
CIER	(Apr 2004)	3.24	4.67	+0.41
TIER	(Jan 2004)	3.34	4.81	
DGBAS	(May 2004)	3.24	4.74	+0.67
Academia Sinica	(Dec 2003)	3.19	4.35	

P: preliminary estimate.

CIER: Chung-hua Institute for Economic Research, Taipei.

DGBAS: Directorate-General of Budget, Accounting and Statistics, Taiwan, ROC.

TIER: Taiwan Institute of Economic Research, Taipei.