2.2 Domestic macro environment

2.2.1 Domestic economic and fiscal conditions

In 2017, thanks to a strong improvement in exports and modest growth in private consumption, the domestic economy recovered steadily and inflation remained stable. Short-term external debt servicing ability remained strong on the back of a persistent surplus in the balance of payments and ample FX reserves. Although the scale of external debt slightly increased, overall external debt servicing capacity stayed robust. While the government's fiscal deficits rebounded, outstanding government public debt leveled off. Total government debt stayed within a manageable level.

Exports increased considerably and the domestic economy recovered soundly

Benefiting from the global economic recovery, increasing demand for semiconductors and machinery, as well as active promotion of the New Southbound Policy by the government, Taiwan's annual export growth rate significantly rose to 13.17% in 2017 (Chart 2.15). As a result of a substantial increase in exports, coupled with private consumption growth driven by the improvement of employment conditions, the annual economic growth rate in Taiwan rose to 2.89%, noticeably higher than the 1.41% of the previous year (Chart 2.16)

Taking a glance into 2018, the continued steady growth of the global economy will be beneficial to maintaining Taiwan's export growth momentum. Moreover, a number of measures taken by the government, such as the *Forward-looking Infrastructure Development Program* and pay raises for military, government, and teaching personnel, are expected to encourage growth in both private investment and consumption to underpin the domestic economy. However,







uncertainties stemming from rising trade protectionism and geopolitical tensions may partially curb domestic growth momentum, which may in turn jeopardize the strength of Taiwan's economic growth. As a result, the DGBAS forecasts Taiwan's annual economic growth rate to slightly moderate to 2.60%²⁰ in 2018 (Chart 2.16). Moreover, paying close attention to the evolution of the US-China trade dispute and its potential impact on Taiwan's economy is advisable.

Domestic prices rose mildly

In 2017, affected by fluctuations in the international prices of raw materials such as crude oil, and the appreciation of the NT dollar exchange rate against the US dollar, the annual wholesale price index (WPI) inflation rate registered 0.90%, higher than the -2.98% recorded in 2016 (Chart 2.17). The DGBAS projects the annual WPI inflation rate to climb to 2.42% in 2018.²¹

The annual CPI inflation rate registered 0.62% in 2017, lower than the 1.39% of the











previous year. Domestic prices rose mildly mainly because the appreciation of the NT dollar against the US dollar eased imported inflation, and a fall in vegetable prices owing to a higher base period in the previous year approximately offset a rise in other prices. Meanwhile, the core CPI inflation rate in 2017 also increased moderately and reached 1.04%, slightly higher than the 0.84% recorded in 2016 (Chart 2.17). Reflecting the above developments, the CBC forecasts the annual CPI inflation rate to ascend to 1.27% in 2018.²²

²⁰ See Note 3.

 $^{^{21}}$ See Note 3.

²² See Note 4.

Current account saw a sustained surplus and FX reserves stayed abundant

In 2017, the merchandise trade surplus trended up on account of exports increasing more than imports, causing the annual current account surplus to expand to US\$82.9 billion, or $14.47\%^{23}$ of annual GDP, an increase of US\$10.1 billion or 13.88% compared to 2016. The financial account posted continued outflows driven by the expansion of foreign investments by insurance companies. The annual balance of outflows reached US\$65.9 billion (Chart 2.18). With a greater rise in the current account surplus, the balance of payments surplus expanded to US\$12.5 billion in 2017, increasing by 16.92% from the previous year.

With the accumulation of earnings from portfolio investment of FX reserve assets, FX reserves climbed to US\$451.5 billion at the end of 2017, rising by 3.98% from a year earlier. At the end of April 2018, the amount Chart 2.19 External debt servicing capacity



Chart 2.20 Short-term external debt servicing capacity



of FX reserves steadily increased to US\$457.1 billion.

Scale of external debt expanded slightly, while debt-servicing capacity remained strong

Owing to the increase in the short-term external debt of the banking sector, Taiwan's external debt²⁴ showed an upward trend after the second quarter of 2017. As a result, external debt registered US\$181.9 billion at the end of the year, or 31.76% of annual GDP, increasing by

²³ For the ratio of current account deficit to GDP, the cutoff point for risk is 3%. A country in which the reading is greater than 3% and has risen by at least 5 percentage points from the previous year is considered to be relatively high risk.

²⁴ External debt refers to the combined amount owed to foreign parties by Taiwan's public and private sectors, including long-term debt with a maturity of greater than one year and short-term debt with a maturity of one year or less. The term "public external debt" refers to debt that the public sector is either obligated to repay directly or has guaranteed. The term "private external debt" refers to private-sector foreign debt not guaranteed by the public sector.

5.63% compared to a year earlier (Chart 2.19). Taiwan's capacity to service external debt remained robust, although the scale of external debt expanded slightly.²⁵

Furthermore, at the end of 2017, the ratio of FX reserves to short-term external debt fell to 2.67 times owing to a greater rise in short-term external debt. Nevertheless, it was higher than internationally recognized minimum levels,²⁶ implying that Taiwan's FX reserves have a robust capacity to meet payment obligations (Chart 2.20).

Fiscal deficits rebounded but government debt leveled off

Fiscal revenues and expenditures had improved significantly after the government implemented the Fiscal Health Plan from 2014 onwards. In 2017, however, the government adopted the Forward-looking Infrastructure Development Program in response to economic conditions, resulting in an expansion of annual expenditures for both central and local governments. As a result, fiscal deficits rebounded to NT\$240.2 billion or 1.38%²⁷ of annual GDP (Chart 2.21).

At the end of 2017, outstanding public debt at all levels of government²⁸ stayed at NT\$6.21



Chart 2.21 Fiscal deficits position

2. Data of fiscal deficits are annual figures. Figures for

2017 are final accounts and budgets for the central government and local governments, respectively.

Sources: MOF and DGBAS.

Chart 2.22 Public debt



external debt. 2. Figures for 2017 are preliminary final accounts and final

accounts for the central government and local governments, respectively.

Sources: MOF and DGBAS.

²⁵ The general international consensus is that a country with a ratio of external debt to GDP lower than 50% is deemed to be relatively low risk.

²⁶ The general international consensus is that a country with a ratio of FX reserves to short-term external debt higher than 100% is deemed to be relatively low risk.

See Note 5.

²⁸ The term "outstanding debt at all levels of government" as used in this report refers to outstanding non-self-liquidating debt with a maturity of one year or longer.

trillion.²⁹ However, the ratio of total public debt to annual GDP slightly fell to 35.65%³⁰ on account of GDP growth (Chart 2.22). In general, total government debt stayed within a manageable level.

2.2.2 Corporate sector³¹

In 2017, listed companies saw enhanced profitability, rising financial leverage ratios, and adequate short-term debt servicing capacity. The NPL ratio for corporate loans granted by financial institutions grew slightly but remained at a low level at the end of the year, indicating sound credit quality of corporate loans. Nevertheless, the outlook for the corporate sector's future operation remains challenging.

Profitability of listed companies enhanced in 2017

In 2017, benefiting from the steady recovery in the global economy, Taiwan's exports continued to expand. As a result, the average ROE of TWSE-listed companies jumped to 15.81%, while that of OTC-listed companies



Chart 2.24 Leverage ratios in corporate sector



rose moderately to 10.44% (Chart 2.23). Such enhancements were mainly contributed to by the increasing profitability in the semiconductor, plastics, and shipping & transportation industries.

²⁹ At the end of 2017, outstanding non-self-liquidating debt at all levels of government with a maturity of one year or longer was NT\$6.21 trillion, including NT\$5.36 trillion and NT\$0.85 trillion for central government and local governments, respectively. As of April 2018, the outstanding one-year-or-longer non-self-liquidating public debt is NT\$6.14 trillion, including NT\$5.39 trillion, NT\$0.60 trillion, NT\$0.15 trillion, and NT\$0.3 billion for central government, municipalities, counties, and townships, respectively. The figures account for 31.47%, 3.47%, 0.89%, and 0.002% of the average GDP for the preceding three fiscal years, which are below the ceilings of 40.6%, 7.65%, 1.63%, and 0.12% for central government, municipalities, counties, and townships, separately, as set out in the Public Debt Act.

³⁰ See Note 6.

³¹ Corporate sector only includes the non-financial industrial data of TWSE-listed companies and OTC-listed companies. Throughout this section, figures for listed companies are consolidated financial data; prior to 2011, the data are on the basis of generally accepted accounting principles in the Republic of China (Taiwan) (ROC GAAP), while from 2012, the data are on the basis of International Financial Reporting Standards as endorsed for use in Taiwan (TIFRSs). In light of changes in accounting treatment and presentation, readers should interpret these figures prudently when comparing statistics before and after IFRSs adoption.

Leverage ratios rose moderately for listed companies

At the end of 2017, the average leverage ratio for TWSE-listed companies rose continually to 100.07%, while that for OTC-listed companies also increased moderately to 82.73% (Chart 2.24). Leverage ratios rose mainly because of an increase in listed companies' accounts payable and notes payable driven by expanding revenues and a rise in their borrowings from banks in response to their operational needs.

Short-term debt servicing capacity for listed companies held at an adequate level

Owing to a greater increase in current liabilities, the current ratio for TWSE-listed companies dropped to 151% at the end of 2017, but the interest coverage ratio elevated to 13.6 over the same period, indicating sound short-term debt servicing capacity. Meanwhile, the current ratio and the interest coverage ratio for OTC-listed companies lifted to 179% and 12.88, respectively, demonstrating improved short-term debt servicing capacity (Chart 2.25 and 2.26). For listed companies as a whole, short-term debt servicing capacity remained at an adequate level in 2017, underpinned by the fact that their current assets were sufficiently able to meet short-term obligations along with a strong capacity to meet their interest obligations from operating earnings.

Chart 2.25 Current ratios in corporate sector



Chart 2.26 Interest coverage ratios in corporate sector





Chart 2.27 NPL ratio of corporate loans

Credit quality of corporate³² loans remained sound

In 2017, affected by an increase in past-due loans of some corporations, the NPL ratio for corporate loans from financial institutions rose marginally to 0.39% but stayed at a relatively low level at the end of the year, reflecting sound credit quality for the corporate sector (Chart 2.27).

Corporate investment is expected to rebound, yet the outlook for future operations still faces challenges

Considering Forward-looking the Infrastructure Development Program promoted by the government, the DGBAS predicts the growth rate of domestic private real investment to rebound to 4.61% in 2018, which would help enhance the growth momentum of corporate profits in the future (Chart 2.28). However, in view of the industrial supply chain localization in Mainland China, the rise of trade protectionism, and global geopolitical risks, the outlook future operations for of corporations in Taiwan remains challenging.

Chart 2.28 Private investment







Chart 2.30 Household borrowing by purpose



Note: Figures are as of the end of 2017. Sources: CBC and JCIC.

³² The data for the corporate sector herein are on the basis of listed and unlisted corporations provided by the Joint Credit Information Center (JCIC).

2.2.3 Household sector

The household debt burden rose slightly as the balance of total household borrowing expanded successively. However, the overall credit quality of household borrowing remained satisfactory. This, combined with the falling unemployment rate and growing regular earnings, should help underpin the debt servicing capacity of households.

Household borrowing increased continually

At the end of 2017, total household borrowing saw a slight expansion and reached NT\$15 trillion, equivalent to 86.07% of annual GDP (Chart 2.29). The largest share of household borrowing went for the purchase of real estate (63.56%), followed by current operation loans³³ (33.80%). The rest of the household borrowing categories took only minor percentages (Chart 2.30).

In 2017, the annual growth rate of total household borrowing rose to 4.77% from 2.97% a year earlier, mainly resulting from an increase in current operation loans. Compared to other countries, the growth of total



Chart 2.31 Household indebtedness in





household borrowing and total household borrowing as a percentage of GDP in Taiwan were both lower than those in South Korea and Australia, but higher than those in the US and Japan (Chart 2.31).

Household debt burden rose slightly

As total household borrowing grew at a faster pace than disposable income in 2017, the ratio of household borrowing to total disposable income³⁴ rose slightly to 1.42 at the end of the

³³ The term "current operation loans" includes outstanding debit card loans.

³⁴ Total disposable income = disposable income + rental expenses + interest expenses.

year from 1.39 a year earlier, reflecting a rise in the household debt burden. Moreover, owing to the increase in loans for current operations, which typically have a shorter term, the debt servicing ratio also elevated to 48.34% from 47.16% (Chart 2.32), thereby indicating that short-term household debt servicing pressure mounted slightly. Nevertheless, prolonged low interest rates on domestic loans in recent years, together with the falling domestic unemployment rate and improving regular earnings in the industrial and service sectors, should help sustain the debt servicing capacity of households (Chart 2.33).

Credit quality of household borrowing remained satisfactory

In 2017, the NPL ratio of household borrowing and loans to purchase real estate grew slightly but remained at low levels of 0.27% and 0.23%, respectively, at the end of the year. Credit quality didn't worsen

Chart 2.33 Unemployment rate and regular earnings







significantly, but related risks should be closely monitored (Chart 2.34).

In recent years, rising global household debt has drawn wide attention. Although Taiwan's household debt burden has risen in recent years, the household saving rate and total household net worth to GDP ratio have been relatively high, indicating sound household financial conditions. Moreover, the default rate of household borrowing from banks has still been low. As a result, household debt does not yet pose a significant risk to the overall economic and financial environment (Box 1).

2.2.4 Real estate market

In 2017, trading volume in the housing market recovered and house prices fluctuated within a narrow range. In addition, housing loans and construction loans grew steadily, and mortgage interest rates remained at low levels. In 2018 Q1, transactions in the housing market grew continuously.

Trading volume in the real estate market recovered

In 2017 Q1, although the total number of building ownership transfers for transaction decreased quarter by quarter, it increased dramatically by 38.29% year on year. The main reasons were a lower base period owing to the levying of a consolidated housing and land income tax in 2016 Q1 and an increase in the release of new buildings in 2017 Q1. From Q2 onwards, transactions in the housing market remained steady and the extent of the increase narrowed quarter by

Chart 2.35 Building ownership transfers for transaction





quarter, while it turned to negative growth of 0.79% in Q4 (Chart 2.35).

The number of building ownership transfers was 406 thousand units in 2017, increasing by 7.17% year on year. The number of those transfers for transaction, accounting for 66%, rebounded to 266 thousand units from a record low of 245 thousand units in 2016 and increased by 8.43% year on year. Owing to high-net-worth individuals rushing to gift real estate before the implementation of the new gift tax system,³⁵ the number of transfers for gift, making up 11.0% of the total transfers, also increased by 3.06% year on year (Chart 2.36).

In 2018 Q1, the total number of building ownership transfers for transaction recorded an annual growth rate of 10.63%, mainly driven by a pickup in housing market transactions

³⁵ The new system of estate and gift tax was implemented on May 12, 2017, which was adjusted from a single tax rate of 10% to a three-tier progressive tax rate of 10%, 15%, and 20%, respectively.

and a gradual rise in the release of new buildings. In April, owing to real estate market participants turning hesitant in their buying as well as a slowdown in the release of new

buildings, the total number of building ownership transfers for transaction decreased by 3.30% year on year. Nevertheless, it still grew by 7.15% for the period of January to April 2018.

Real estate prices fluctuated within a narrow range

With the housing market gaining momentum, the national housing price index 36 rose gradually quarter by quarter from 2017 Q1 onwards. As of the end of Q4, the annual growth rate registered 1.49%, bringing the index to only 0.10% lower than its peak in 2015 Q1 (Chart 2.37).

From 2017 onwards, the Sinyi housing price index (for existing residential buildings) fluctuated within a narrow range (Chart 2.37). In 2018 Q1, the index roughly returned to the level of 2015 Q4. Owing to new residential building sales slightly picking up, the Cathay housing price index rose moderately throughout 2017. In 2018 Q1, the index decreased slightly quarter by quarter, mainly driven by a decline in prices of new residential buildings both in Taipei City and New Taipei City (Chart 2.37).

Mortgage burden stayed high

In 2017 Q2, the debt servicing ratio for housing loans increased to the highest point



Chart 2.38 Debt servicing ratios for housing loans and house price to income ratios



- Notes: 1. Debt servicing ratio for housing loans = median housing loan monthly payment/median household monthly disposable income.
 2. House price to income ratio = median house price/median household annual disposable income.
 Source: Housing Price Affordability Indicator Statistics,
- Construction and Planning Agency of the MOI.

³⁶ The housing price index compiled by the Construction and Planning Agency, Ministry of the Interior, registered 115.07 in 2017 Q4.

of 38.90% and then fell to 37.58% in Q4, a slight decrease of 0.76 percentage points year on year (Chart 2.38). Similarly, the house price to income ratio trended up to the highest point of 9.46 in 2017 Q2 before moderately dropping to 9.16 in Q4 (Chart 2.38), declining by 0.16 year on year. Among the six metropolitan areas, Tainan City had the lowest mortgage burden, while the debt servicing ratio for housing loans and the house price to income ratio in Taipei City registered 61.52% and 14.99, respectively (Chart 2.38), showing the heaviest mortgage burden.

Commencement licenses issued expanded, while the expansion of unsold new residential properties remained a concern

In 2017, with transactions in the housing market gradually increasing, a recovery in residential properties construction projects, as well as increasing demand from enterprises launching new stores and expanding plants, the total floor space of commencement licenses issued rose by 11.56% year on year (Chart 2.39), with residential properties increasing by 7.79%. In 2018 Q1, the total



Chart 2.39 Annual growth rates of floor space





floor space of commencement licenses issued successively increased by 6.81% year on year, with residential properties increasing dramatically by 28.32%. The main reasons were that construction companies' confidence in investing in the real estate market was restored as well as continual commencement of social housing and industrial and commercial buildings constructions.

From the second half of 2015 to the beginning of 2017, owing to construction companies reducing construction projects, the total floor space of usage licenses issued decreased by 3.90%

year on year in 2017, with residential properties decreasing by 12.38%. However, the extent of the decrease narrowed (Chart 2.39). In 2018 Q1, the total floor space increased at an annual rate of 8.89%, with residential properties increasing by 7.35% year on year, mainly driven by a rise in the release of new buildings.

At the end of 2016, unsold new residential properties registered 74 thousand units, increasing by around 18 thousand units or 32.3% year on year. In 2017, usage licenses issued for residential properties amounted to 89 thousand units, decreasing by 9 thousand units or 9.2% year on year (Chart 2.40). This, along with active promotion from construction companies for their projects, helped reduce the pressure on unsold new residential properties. However, given that construction companies resumed a large number of construction projects even though demand in the house-purchase for self-use market did not expand significantly, the residential expansion of unsold new properties remained a concern.

interest rate New housing loans for the month (LHS) NT\$ bn % New housing loans interest rate (RHS) 100 2.5 80 2.0 60 1.5 40 1.0 20 05 0 0.0 2013 14 15 16 17 18 (Jan-Mar) Source: CBC.

Chart 2.41 New housing loans - amount and





Real estate loans grew steadily as mortgage interest rates successively decreased

With the housing market gathering momentum, the total new housing loans granted by the top five banks registered NT\$461.4 billion in 2017, increasing by 5.90% year on year. In 2018 Q1, the figure increased by 27.16% year on year. In 2017, the interest rate for new housing loans fell, and rebounded slightly after dropping to the lowest point of 1.627% in October. However, the interest rate for new housing loans still stayed at a low level, registering 1.628% in March 2018 (Chart 2.41).

From 2017 onwards, the sum of outstanding loans for house purchases and house refurbishments granted by banks³⁷ maintained steady growth, registering an annual growth rate of 4.23% as of the end of March 2018. Meanwhile, outstanding construction loans turned to positive growth at the end of December 2016. The annual growth rate fell slightly after rising to 5.46% at the end of December 2017, registering 4.48% at the end of March 2018 (Chart 2.42).

Banks assumed self-discipline on real estate loans



Note: Figures are the average loan-to-value ratio for new housing loans extended by all financial institutions. Source: JCIC.

The CBC repealed most rules imposed on housing loans and land collateralized loans in March 2016, except for high-value housing loans. At the same time, financial institutions were required to strengthen self-discipline on mortgage-related credit risk. In 2017, the average loan-to-value ratio for new housing loans registered 70.90%, slightly higher than the ratio of 68.97% in 2016 (Chart 2.43). Moreover, the average loan-to-value ratio for high-value housing loans sources to the ratio reported in 2016.

³⁷ Refers to domestic banks and the local branches of foreign and Mainland China's banks.

Box 1

Analysis of Taiwan's household debt and debt servicing capacity

Recently, some central banks warned against rising global household debt.¹ Also, the economic and financial risks arising from continuously rising household debt have drawn wide attention. Although Taiwan's household debt to GDP ratio² has risen in recent years, it grew at a slower pace than neighboring Asian economies. Moreover, the default rate of household borrowing from banks has remained low. This, coupled with a high household saving rate and total household net worth to GDP ratio, indicates sound household financial conditions. Thus, household debt does not yet pose a significant risk to the overall economic and financial environment.

1. Household debt to GDP ratio in Taiwan was higher than that in some neighboring Asian economies but grew at a slower pace

Taiwan's households prefer to purchase properties and the owners of small and medium enterprises tend to apply for loans in their own name for operation purposes. These factors, along with a boom in the banking industry, led to a high household debt to GDP ratio, equivalent to that in advanced economies, such as those in Europe and the US. In the last decade, the household debt to GDP ratio in Taiwan ranged from 78% to 86%, higher than that in neighboring Asian economies except South Korea.³ Nonetheless, household debt to GDP ratios in Malaysia, Thailand and Mainland China soared rapidly in recent years. In contrast, the ratio in Taiwan trended upwards but at a relatively mild

pace over the same period (Chart B1.1).⁴

2. The largest share of household borrowing went for the purchase of real estate, which grew moderately in recent years

At the end of 2017, total household borrowing expanded to NT\$15 trillion, of which the purchase of real estate accounted for the largest share (more than 60% of total household borrowing). Yet, the share of the purchase of real estate continued to trend downwards in recent years mainly because the growth



of real estate loans moderated amid the cooling of the real estate market. The annual growth rate of household borrowing fell to 4.77% in 2017 from its peak of 6.77% in 2013 (Chart B1.2).

3. Household net worth to GDP ratio has been high, implying sound financial conditions

The household saving rate in Taiwan is high and has averaged 21.25% over the last decade, much higher than that in some major economies such as Germany, the US and Japan.⁵ This provided an adequate source of repayment. In addition, household net worth to GDP was around 8.5 times, also higher than in the UK, the US, South Korea and Singapore (Chart B1.3), partly reflecting sound household financial conditions in Taiwan.

The purchase of real estate accounted for 60% or more of Taiwan's total household borrowing and most of those real estate loans were fully collateralized. Also, most current operation loans were secured by collateral. Reflecting this,





banks' credit risks were still within a manageable level. In 2017, the NPL ratio of household borrowing stayed at a low level of 0.27%, indicating satisfactory credit quality. Furthermore, the domestic unemployment rate and interest rate on loans have remained low in recent years, which could help sustain the debt servicing capacity of households.

4. Conclusions

(1) Taiwan's financial system remained stable. Although the household debt to GDP ratio was high, the NPL ratio of household borrowing was still at a low level. This,

coupled with the fact that the household saving rate was high and the total assets of households far exceeded their total debt, reflects sound financial conditions. As a result, household debt does not yet pose a significant risk to the economic and financial environment.

- (2) In recent years, the real estate market has gradually returned to fundamentals. Nonetheless, the purchase of real estate to total household borrowing ratio has stayed at a high level of 60% or more. In response, banks should continually monitor the credit risk of real estate loans and examine their real estate loan policies in a timely manner to cope with such impacts.
- (3) With gradual monetary policy normalization in major economies, Taiwan's interest rate may trend up and, in turn, increase household debt servicing pressure. Accordingly, this warrants banks closely monitoring the evolution of international economic and financial conditions, and reminding borrowers to pay attention to the influence of future interest rate fluctuations on their debt servicing capacity, so as to prevent adverse impacts on the financial system.
- Notes: 1. From 2017 onwards, the central banks of Australia, Canada, the UK, South Africa, and Chile have successively warned about rising global household debt.
 - 2. A rise of household debt to GDP ratio represents that the per dollar output needed to repay household debt increases, reflecting a heavier household debt burden.
 - 3. South Korea's household debt to GDP ratio kept rising year by year. This mainly resulted from the fact that the South Korean government implemented a policy with the aim of boosting a sluggish economy which encouraged the public to apply for real estate loans to sustain the development of the real estate market. As a result, household debt increased sharply.
 - 4. Michael Heise, the chief Economist of Allianz SE in Germany, indicated that Taiwan's debt growth has remained relatively stable in the past few years, which is a good trend. See Focus Taiwan News Channel (2017), *Taiwan's Private Wealth Per Person Ranked 5th Highest Globally*, September.
 - 5.The household saving rate is defined as household saving divided by disposable income. The figure for Taiwan is the average from 2007 to 2016. According to the Organization for Economic Co-operation and Development (OECD), for the average household saving rate over the last decade, Taiwan was lower than that in Mainland China (37.37% from 2006 to 2015) but higher than that in Germany (9.72% from 2007 to 2016), the US (5.68% from 2007 to 2016), and Japan (2.26% from 2006 to 2015).