

# ECONOMIC AND SOCIAL STABILIZATION FUND

Quarterly Executive Report as of June 2016

# **EXECUTIVE SUMMARY**

**Second Quarter 2016** 

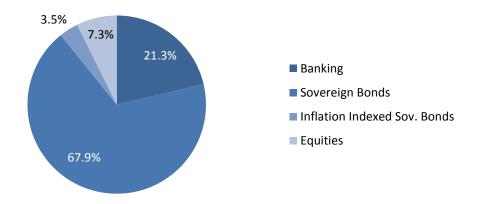
Market Value Withdrawals Net Income millions

US\$ 368.1 millions



Source: Ministry of Finance based on information provided by JPMorgan

## **Portfolio Composition**



<sup>1</sup> Returns reported in this document correspond to the Time Weighted Rate of Return (TWR), unless otherwise stated. Returns for periods greater than one year are annualized. For periods of less than one year, the return corresponds to the change during the period. Net returns reported are net of management fees.

## I. Market Value of the Fund

Table 1: Quarterly change in market value

(millions of dollars)

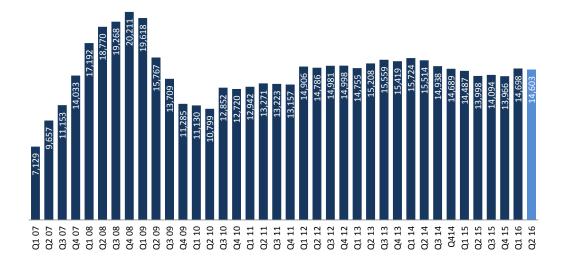
Changes in Market Value	2015		2016		Since
(US\$ million)	Q3	Q4	Q1	Q2	Inception <sup>(a)</sup>
Starting Market Value	13,998.07	14,094.39	13,966.28	14,697.65	-
Contributions	0.00	0.00	0.00	0.00	21,765.71
Withdrawals	0.00	0.00	0.00	-462.29	-10,852.81
Accrued Interest	38.27	38.57	42.61	43.10	2,646.05
Capital Gains (Losses)	58.83	-165.93	689.31	325.60	1,060.91
Admin., Custody and Other Costs (b)	-0.78	-0.74	-0.55	-0.60	-16.40
Final Market Value	14,094.39	13,966.28	14,697.65	14,603.46	14,603.46

<sup>(</sup>a) The ESSF was established by the merger of the fiscal assets saved under Decree Law N°3.653 (1981) with those of the Copper Income Compensation Fund. The first payment into the new fund was made on March 6, 2007.

Source: Ministry of Finance based on information provided by JPMorgan

Figure 1: Evolution of ESSF market value

(millions of dollars)



Source: Ministry of Finance, based on information provided by JPMorgan

<sup>(</sup>b) It includes costs associated with consultants and others.

#### II. Returns

Table 2: Performance by asset class<sup>2</sup> (percent)

Returns <sup>(a)</sup>	Last 3 Months	Year to Date	Last 12 Months	Last 3 Years (Annualized)	Since Inception (Annualized) <sup>(b)</sup>
Money Market and Sovereign Bonds	2.71%	8.53%	8.78%		
Sovereign Inflation Linked Bonds	0.62%	4.61%	2.34%		
Equities	1.12%	1.48%	-3.34%		
Return in USD	2.52%	7.89%	7.64%	1.85%	3.01%
Exchange Rate (CLP)	-2.02%	-6.48%	4.24%	9.50%	2.23%
Return in CLP (c)	0.50%	1.40%	11.88%	11.34%	5.24%

<sup>(</sup>a) Time Weighted Return (it's calculated as the growth rate of the funds that were invested throughout the period).

Source: Ministry of Finance, based on information provided by JPMorgan

Table 3: Excess returns (basis points)

Excess Returns <sup>(a)</sup>	Last 3 Months	Year to Date	Last 12 Months	Last 3 Years (Annualized)	Since Inception (Annualized) <sup>(b)</sup>
Money Market and Sovereign Bonds	2	3	7		
Sovereign Inflation Linked Bonds	-4	-10	-22		
Equities	-8	-12	-19		
Total Portfolio	-2	-2	-5	-3	-5

<sup>&</sup>lt;sup>(a)</sup> Time Weighted Return (it's calculated as the growth rate of the funds that were invested throughout the period).

Source: Ministry of Finance, based on information provided by JPMorgan

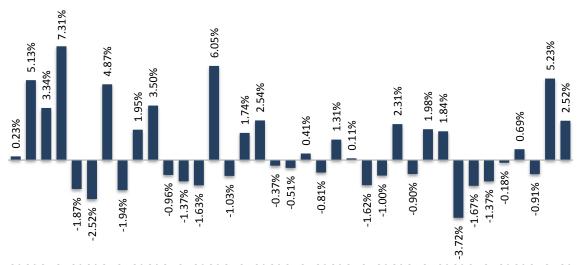
<sup>2</sup> Returns for periods of more than one year are compound annualized rates while those for less than a year correspond to the change as seen in the stated period. To meet high standards of transparency and provide a better assessment of the gains or losses on investments, the Ministry of Finance discloses the fund's return in different time horizons and currencies. With respect to the time horizon, it is important to note that, in keeping with the medium-and long term investment policy, the return assessment should focus on that period, disregarding fluctuations that may occur monthly or quarterly. With regard to returns expressed in different currencies, the return in US dollars allows for an assessment which is more in line with the investment policy given that the fund's resources are wholly invested abroad and in foreign currencies. The return in Chilean pesos is also disclosed. This return reflects changes in the pesodollar exchange rate and, therefore, may experience greater fluctuations. Finally, as with any investment, returns obtained in the past do not guarantee future positive results.

<sup>(</sup>b) It's calculated from March 31, 2007, when the performance of Central Bank of Chile started to be measured.

<sup>(</sup>c) CLP return corresponds to the sum of the percentage change of the CLP/USD exchange rate and the USD return.

<sup>(</sup>b) It's calculated from March 31, 2007, when the performance of Central Bank of Chile started to be measured.

**Figure 2: Quarterly returns in dollar (TWR)** (percent)



Source: Ministry of Finance, based on information provided by JPMorgan

Figure 3: Internal rate of return (IRR) (percent)

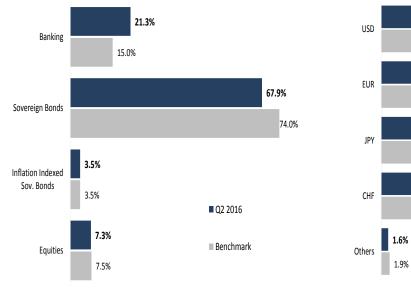


Source: Ministry of Finance, based on information provided by JPMorgan

## III. Portfolio Allocation

Figure 4: Investments by asset class (percent of total)

Figure 5: Investments by currency (percent of total)



25.7%

EUR

25.7%

20.7%

20.6%

CHF

7.8%

7.7%

Q2 2016

Others

1.6%

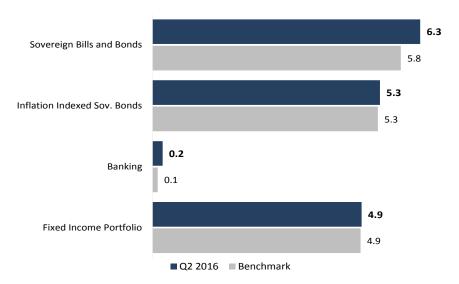
I help a provided by JPMorgan

Source: Ministry of Finance, based on information provided by JPMorgan

44.2%

Source: Ministry of Finance, based on information provided by JPMorgan

Figure 6: Fixed income portfolio duration (years)



Source: Ministry of Finance, based on information provided by JPMorgan

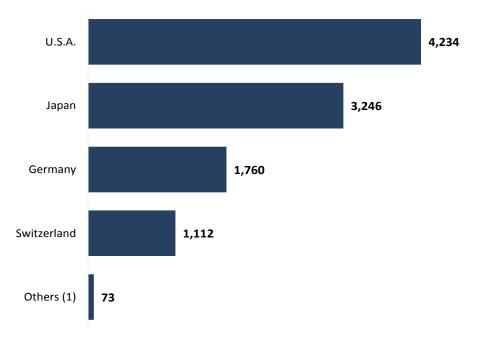
Figure 7: Exposure by type of risk (millions of dollars)

Equities, 1,068

Sovereign Banking 10,422 3,113

Source: Ministry of Finance, based on information provided by JPMorgan

Figure 8: Sovereign bonds exposure by countries (millions of dollars)



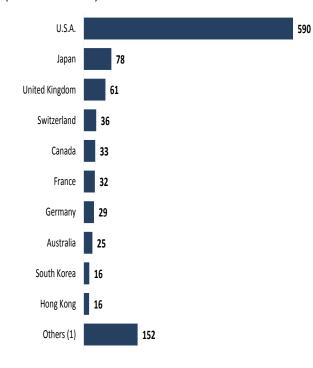
Source: Ministry of Finance, based on information provided by JPMorgan

**Figure 9: Banking exposure by countries** (millions of dollars)

Source: Ministry of Finance, based on information provided by JPMorgan

745 Germany France 458 Japan Spain 424 China 355 Belgium 214 Denmark 207 United Kingdom Sweden Netherlands 13 Others (1) -126

Figure 10: Equity exposure by countries (millions of dollars)



Source: Ministry of Finance, based on information provided by JPMorgan

Table 4: Portfolio by issuer credit rating

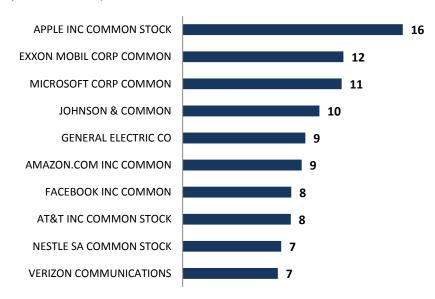
( percent of the fixed-income portfolio)

Fixed Income Portfolio by Issuer Credit Rating					
Credit Rating	Sovereigns	Banking	Total		
AAA	53.8%	0.0%	53.8%		
AA+	0.0%	0.0%	0.0%		
AA	0.0%	0.0%	0.0%		
AA-	0.0%	0.3%	0.3%		
A+	24.0%	3.1%	27.1%		
Α	0.0%	13.6%	13.6%		
A-	0.0%	6.9%	6.9%		
Others <sup>(1)</sup>	-0.8%	-0.9%	-1.8%		
Total	77.0%	23.0%	100.0%		

Source: Ministry of Finance based on information provided by JPMorgan.

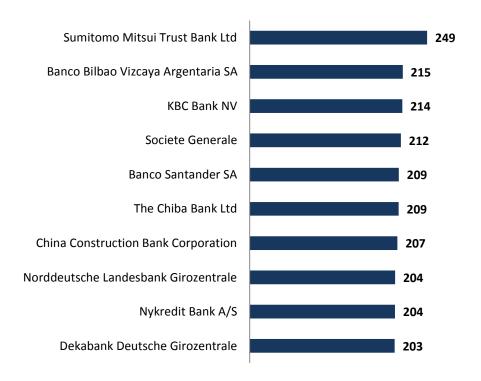
Figure 11: Major equity exposures

(millions of dollars)



Source: Ministry of Finance based on information provided by JPMorgan.

Figure 12: Major bank deposit exposures (millions of dollars)



Source: Ministry of Finance based on information provided by JPMorgan.

#### **IV. Other Indicators**

A commonly used indicator for monitoring the market risk of the portfolio is the return volatility. In the second guarter of 2016, the standard deviation of returns of the ESSF was 4.41%.<sup>3</sup> The tracking error ex-post, an indicator used to measure how closely the portfolio returns track the returns of benchmark, was 13 basis points at the quarter end.4

Table 5: Standard deviation and tracking error

	Q2 2016(a)
Standard deviation	4.41%
Tracking error ex-post (basis points)	13

<sup>(</sup>a) Calculated using the monthly returns of the last 3 years, annualized.

Source: Ministry of Finance, based on information provided by JPMorgan

## V. Securities Lending Income and Administration Costs

The cost associated with the management of the fund by those responsible for the investment<sup>5</sup> was US\$361,302 during the quarter, while expenses associated with the custody service<sup>6</sup> were US\$190,321. The securities lending program generated revenues of US\$657,776 during the quarter.

Table 6: Summary of other flows for the quarter (in dollars)

(III dollars)		
		Q2 2016
Outflows		
Administration		301,114
Custody		297,451
Others		-
	Total	598,565
Inflows		
Securities Lending		676,399
Others		-
	Total	676,399

Source: Ministry of Finance, based on information provided by JPMorgan

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<sup>&</sup>lt;sup>3</sup> Corresponds to the standard deviation of annualized monthly returns for the past three years.

<sup>&</sup>lt;sup>4</sup> Corresponds to the standard deviation of annualized monthly excess returns of the portfolio against the benchmark for the past three years. <sup>5</sup> The Central Bank of Chile is responsible for the investment of portfolio.

<sup>&</sup>lt;sup>6</sup> The Custodian bank is J. P. Morgan.

# VI. Appendix

#### Benchmarks

A benchmark is defined for each asset class of the strategic asset allocation, and corresponds to a representative index of the corresponding market.

Benchmark	Total
Merrill Lynch Libid 3 Month Average USD	5.0%
Merrill Lynch Libid 3 Month Average EUR	6.0%
Merrill Lynch Libid 3 Month Average JPY	4.0%
Banking	15.0%
Merrill Lynch Treasury Bills Index USD	6.0%
Merrill Lynch Treasury Bills Index EUR	7.0%
Merrill Lynch Treasury Bills Index JPY	6.0%
Sovereign Bills	19.0%
Barclays Capital Global Treasury: U.S. 7-10 Yrs	26.5%
Barclays Capital Global Treasury: Germany 7-10 Yrs	11.0%
Barclays Capital Global Treasury: Japan 7-10 Yrs	10.0%
Barclays Capital Global Treasury: Switzerland 5-10 Yrs	7.5%
Sovereign Bonds	55.0%
Sovereign Bills and Bonds	74.0%
Barclays Capital Global Inflation-Linked: U.S. TIPS 1-10 Yrs	2.5%
Barclays Capital Global Inflation-Linked: Germany 1-10 Yrs	1.0%
Sovereign Inflation Linked Bonds	3.5%
Equity: MSCI All Country World Index (ex Chile) (unhedged with reinvested dividends)	7.5%
Total	100.0%