C1. Taiwan Pension Fund & Mandate Monthly Update

Product Highlight

Report Highlight

- 100+ pages with 100+ charts and tables covering Taiwan government pension funds and discretionary mandate market + additional 2-Page Snap-Shot in each issue
- Taiwan Delegated Market Overview, Mandate Size and Mandate Number by Type of Investors, SITEs & SICEs Players in Mandate Market
- Taiwan Government Pension Funds Past 6-Month Monthly Asset Allocation of 5 Taiwan Government Pension Funds + Postal Savings, Asset Size / Delegated Global & Domestic Mandate AUM / Mandates No. / Fund Yield, Breakdown of Active Domestic & Global Mandate AUM by Asset Manager
- Taiwan Global Mandate Market Overview, Asset Sizes & Outsourcing Ratio of Mandates by Government Pension Fund, Breakdown by Portfolio Type & by Manager, List of Mandate Top-Ups and Early Termination, *New RFPS*, 7 Key Global Mandate Managers Analysis
- Taiwan Domestic Mandate Market Overview, Asset Sizes & Outsourcing Ratio of Mandates by Government Pension Fund, Breakdown by Pension Fund & by Manager, List of Mandate Top-Ups and Early Termination, *New RFPS*, 5 Key Global Mandate Managers Analysis

Subscription Information

- 12 Issues per annum, issued by the *10th working day* of every month
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Keystone Intelligence

C1. Taiwan Pension Fund & Mandate Quarterly Review

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Taiwan Delegated Asset Management Market Overview

- Market Size: As of 01/2022, Taiwan delegated mandate market size reached US\$173.0kg, a MoM AUM increased US\$1.1bn of 0.6%.
- **Breakdown:** The market consisted of 53.0% in global mandates in US\$91.8bn of assets 181 global mandates out 181 d by 5 leading Taiwan government pension funds and 47.0% or US\$81.2bn of assets 181 global mandates out 181 d by 5 leading Taiwan government pension funds and 47.0% or US\$81.2bn of assets 181 global mandates out 181 d by 5 leading Taiwan SITEs and SICEs.

1.01: Taiwan Delegated Mandate Market – Asset Manda Breakdown July in US\$bn)

Factor	Asset Type	Market		Past 6 Mon	ta	Past 2-Year Change					
Factor	Asset Type	Weight (01/22)	08/21	09 1	V21	J A	2/21	01/22	МоМ	1Y	2Y
	Global Mandates	F	89.9	.4	1	,	93.7	91.8	(1.9)	13.0	22.6
Size (US\$bn)	Domestic Mandates	47.0%		7 7		75.2	78.2	81.2	3.0	17.1	26.2
	Total	100.0%	162.6		1 .8	165.4	171.9	173.0	1.1	30.2	48.8
	Global Mandat	17.2%	163		182	182	181	181	0	17	15
Mandate No.	Domestic Mand e.	82.8%	8	844	844	844	853	870	17	90	156
	Total	20%	1,00	1,016	1,026	1,026	1,034	1,051	17	107	171

(Source: SITCA / BLF / PSP)

Onshore Mandate by Investors Structure

Onshore Mandate Investors Structure: The market consisted of 50.3% or US\$40.8bn is 336 mandates relating investment linked products, plus 26.9% or US\$21.8bn in 98 domestic mandates outsourced by 5 cm r government pension in There also 168 mandates contributed by domestic institutions (20.8% or US\$16.9bn), 248 man as by domestic individual 189 cm US\$681mn), 7 mandates contributed by foreign institutions (0.8% or US\$672mp) in addition 13 banks' collective in Linear accounts (0.3% or US\$283mn).

1.02: Onshore Delegated Mandate by Source (01/22)

Time of Investor	No. of	Weight		'as	t 6 Mont.	ta (US\$ı	ta (US\$mn)			Past 2-Year Change		
Type of Investor	Contracts		08/21	09).	10/21	21	12/21	01/22	МоМ	1Y	2Y	
Investment Link Products	336	2%	36,373	37,24	38,192		39,941	40,830	890	11,666	15,313	
Government Funds	98		18,861	3,797	828	18,188	20,682	21,826	1,143	2,610	5,422	
Domestic Institutions	168	20.		,171	٥٥	16,431	15,999	16,928	929	2,258	4,728	
Domestic Individuals	248	0.8%	580	584	581	647	685	681	(5)	277	399	
Foreign Institutions	7	0.8%	570	93	622	628	653	672	18	245	208	
Collective Investment Accounts		0.3%		286	286	285	284	283	(1)	85	124	
			72,790	73,671	74,711	75,226	78,245	81,219	2,975	17,140	26,194	

(Source: SITCA)

Onshore Mandate by Investors Structure

Market Segmentation: SITEs took part 97.1% onshore mandate market share (or US\$783bn), versus SICEs 2 (or US\$2,077 and designated money trust accounts 0.4% (or US\$302mn).

1.03: Onshore Delegated Mandate AUM Breakdown by Entim

Comparison	Turns of Investor	AUM		Pas	st Civio.	າata (US\$r			Past 2	2-Year Char	2Y 4 25,262				
Comparison	Type of Investor	Weight	08/21	09/2	10/21	1/21	12/21	C	МоМ	1Y	2Y				
	SITEs	97.1%	70,609	71,	72,451	738	75,927	78,840	2,913	16,394	25,262				
Size (US\$mn)	SICEs	2.6%	1,875	1,9 7	953		2,014	2,077	63	663	899				
Size (OS\$IIII)	Trust	0.4%	306	30	ક	3	303	302	(1)	84	123				
	Total	100.0%	Y	73,67	74,.	75,226	78,245	81,219	2,975	17,140	26,194				
	SITEs	71.8%	595		60	600	606	625	19	53	97				
Mandates No.	SICEs	26.6%	2	231	230	230	233	231	(2)	40	63				
manuales NO.	Trust	1.6%	14	14	14	14	14	14	0	(3)	(3)				
	Total	10	839	844	844	844	853	870	17	90	156				

(Source: SITCA)

Onshore Mandate Size and Mandate No. by Type of Invest

1.04: Breakdown of Onshore Mandate Size by Entity and by Source (01/24)

En Chr.	Entity Type of Investor		Weight		Past	6 Months	Dura (າ)		Pa	'ear	ange
Entity	Type of investor	Contracts	Weight	08/21	09/21	10/2	11/21	'21	01/22	Mc	ıY	2Y
	Investment Link Products	316	49.8%	35,016	35,826	هو,742	68	5	39,296	362	11,094	14,526
SITES	Government Funds	98	27.7%	18,861	18.7	18,828	38	2 \(21,826	,,143	2,610	5,422
	Domestic Institutions	137	20.9%	15,710	15,76.	5,802	37	15,6	16,50	898	2,210	4,659
	Foreign Institutions	6	0.8%	55	573	603	609	634	J52	18	244	311
	Domestic Individuals	68	0.7%		475	V	537	575	566	(9)	236	344
	Total	625	100.0%	70,	71,438	72	72,938	75,927	78,840	2,913	16,394	25,262
	Investment Link Products	20	73.8%	1,3	414	1,4	1,479	1,506	1,534	28	573	787
	Domestic Institutions	31	20.6%	4	4	396	304	398	429	31	48	69
SICES	Domestic Individuals	1	5.5%	10		105	111	111	115	4	43	56
	Foreign Institutions		- V			0	0	0	0	0	0	(13)
	Total	231	100	1,875	1,92	33	1,983	2,014	2,077	63	663	899
	Collective Investment A/C	13	3.6%	77	286	286	285	284	283	(1)	85	124
Trust	Foreign Institutions	1	4%		19	19	19	20	19	(0)	0	1
Hust	Domestic Individuals	0	0.	0	0	0	0	0	0	0	(2)	(2)
	Total	14	100.0	306	306	306	304	303	302	(1)	85	124
	Investment Link Produ	336	50.3%	,373	37,240	38,192	39,047	39,941	40,830	890	11,666	15,313
	Government Funds		26.9%	18,861	18,797	18,828	18,188	20,682	21,826	1,143	2,610	5,422
	c Institutions	16	//	16,119	16,171	16,200	16,431	15,999	16,928	929	2,258	4,728
Total	Domestic Individuals	248	0.8%	580	584	581	647	685	681	(5)	277	399
	Foreign Institutions	*	0.8%	570	593	622	628	653	672	18	245	208
	Collective Investment A/C	13	0.3%	287	286	286	285	284	283	(1)	85	124
		870	100.0%	72,790	73,671	74,711	75,226	78,245	81,219	2,975	17,140	26,194

(Source: SITCA)

Onshore Mandate Investors Structure

International Investment: The international investment size reached US\$37.0bn as of 012022, decreasing at 012022 or +US\$5.1bn YoY. International investments accounted for 45.5% of total or 150 members and US (31.3%) took part 90.5% of total international investment.

1.05: Onshore Mandate International Investment Size & AUM analysis

Area	Weight		Pa	st 6 Mon	(US\$mı	n)		.∕ast 2-Year Change			
Aled	weight	08/21	09/21	21		./21	01/2	MoM	1Y	2Y	
Europe	59.2%	22,341	22,344	070	2.	23,102	21 58	(1,214)	3,847	7,166	
US	31.3%	11,424	10,960		12,0	12,615	11,578	(1,036)	1,889	3,945	
Others	7.1%	2,852	2,735	2,.	2,877	2013	2,625	(309)	(420)	629	
South-East Asia	1.1%		455	471	431	443	421	(21)	46	239	
Japan	0.7%	2ხ	7	273		289	262	(26)	(91)	37	
Australia & New Zealand	0.1%	45		47	42	43	44	1	(255)	(169)	
Total	2.0%	37,528	36,963	957	38,520	39,532	36,967	(2,564)	5,115	11,924	

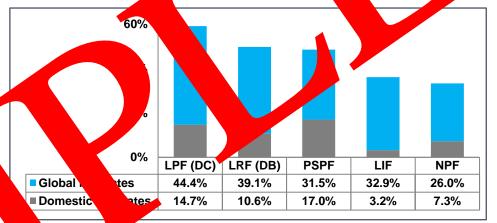
(Source: SITCA / BLF / PSP)

II. Taiwan Government Pension Funds

Overview of Taiwan Government Pension Fund Size & Man

- Bureau of Labor Funds: As of 01/2022, the Bureau of Labor Fund (BLF) managed a total of US\$201.8bn, including six labor funds with asset size totaled US\$185.0bn, namely US\$114.7bn in Labor Pension Fund (LPF), US\$34.2bn in Labor Retirement Fund (LRF), US\$30.0bn in Labor Insurance Fund (LIF), plus the investment management control of National Pension Fund (NPF) US\$16.7bn and Farmers' Pension Fund US\$127mn.
- *Mandate Outsourcing:* The government pension funds outsourced 51.3% of its assets to external managers, including 39.1% to global managers and 12.2% to domestic managers. LPF had the highest delegation weight of 59.1%. followed by LRF 49.7% and PSPF 48.5%

2.02: Delegation Weight in Govern t Funds



2.01: Funds under Bureau of Labor Ft. as

Fund Time	Wei	Wajaht		as		Past 2-Year AUM Change					
Fund Type		Weight	0, 1	09/21	10/21	11/21	12/21	01/22	MoM	1Y	2Y
Labor Pension Fund (LPF)		62.0%	109,	109,898	110,817	111,881	113,607	114,656	1,048	17,732	32,847
Labor Retirement Fund (LRF)		3.5%	33,7	33,774	33,902	34,005	34,218	34,180	(38)	2,371	2,855
Labor Insurand Fund (LIF)			30/50	29,781	30,172	29,888	30,505	30,025	(480)	2,174	5,326
Employm nce Fund		2.	5,079	5,093	5,132	5,163	5,206	5,202	(4)	362	772
Arrear age Payment Fund		0.3	527	526	528	534	539	540	1	52	111
Occur on Incidents Protection Fund		0.2%	382	379	379	378	375	371	(4)	(13)	7
Total		100.0%	179,394	179,450	180,930	181,848	184,451	184,974	523	22,678	41,918
Nation			16,767	16,429	16,677	16,611	17,036	16,660	(376)	1,821	4,515
Farmers' Fension Fund			61	73	87	100	114	127	13	127	127
Total AUM			196,221	195,953	197,694	198,560	201,601	201,761	160	24,626	46,560

(Source: BLF / PSPF)

Overview

- Asset Size: LPF AUM totaled to US\$114.7bn as of 01/2022, an increase of US\$1,049mp +0.9%) in 01/2022 of 3% YoY.
- Asset Allocation: The fund delegated a total of 59.1% to external managers, 19.4 osits, 7.9% in overseas stmer and 6.4% in government and corporate bonds.
- ers in 67 global Global Mandates: LPF delegated US\$50,894mn (44.4% of its total assets) hal m and tes including BlackRock (US\$6,939mn), SSgA (US\$4,925mn) and JPMorgan (US\$2 3mn).
- Domestic Mandates: LPF also delegated US\$16,826mn (14.7% on the content of the co 12 dome manag sin 50 domestic al assets) mandates.

2.04: LPF - Brief Profile

Comparison	Item				vths Da'			Past	2-Year Char	nge
Comparison	iteiii	7 721	'श	10/21	1/21	12/21	01/22	MoM	1Y	2Y
Asset Size (US\$mn)	Total	105 34	4	110,81	111,881	113,607	114,656	0.9%	18.3%	40.2%
	Global	te	O.	67	67	67	67	0	8	9
Delegated Mandate No.	Domes	ate 4	45	45	45	51	50	(1)	0	0
	ota	103	3 07	112	112	118	117	(1)	8	9
	Global Mandat	te 46,098	47,071	48,102	49,022	49,501	50,894	1,394	10,653	15,906
Delegated Martite Size (USS)	Domestic	d	14,933	14,955	15,011	16,506	16,826	320	3,096	5,757
0120 (0001111)	7	7,03،	4 62,003	63,057	64,033	66,007	67,721	1,714	13,749	21,663
Deleged Mandate	Global Mai	t e 42.3%	42.8%	43.4%	43.8%	43.6%	44.4%	0.8%	2.9%	1.6%
Size a	omestic N	date 13.7%	6 13.6%	13.5%	13.4%	14.5%	14.7%	0.1%	0.5%	1.1%
Total A	To	56.0%	6 56.4%	56.9%	57.2%	58.1%	59.1%	1.0%	3.4%	2.8%

Global Mandates AUM and Mandate No.

2.07-2: LPF – Breakdown of Global Mandates by Asset Manager (AUM in S\$mn)

Dankina	Accet Manager	Mandate			Delegated A	AUM (US\$m	ın)			Past 1	All	Change
Ranking	Asset Manager	No.	Funding Size	08/21	09/21	10/21	1/21	પ	01/22	N M	ıY	2Y
21	Nomura	2	700	797	787	785	6	7	788	(2)	151	300
22	Pinebridge	1	765	791	77	788	3		746	(35)	(5)	57
23	BlueBay	1	586	720	710	709	J3	70.	e.	(19)	(28)	54
24	CPR	1	480	62	612	8	633	658	635	(23)	171	219
25	Brandywine	1	641	66	644		638	643	627	(16)	(35)	20
26	Pictet	1	534	62	10	60	598	604	593	(11)	(43)	72
27	Allianz	1	479	498		497	489	505	488	(17)	23	87
28	Amundi	1	400	474	2	470	.47	466	465	(1)	98	370
29	American Century	1		451	45 .	449	447	450	447	(3)	(0)	24
30	Franklin	1	400	130	431	ەن.	427	429	428	(1)	(1)	5
31	Ninety One	1	20		0	199	199	199	397	198	397	397
32	INSIGHT	1	40	411	406	406	406	406	394	(12)	244	394
33	Schroders		400	0	0	201	198	202	393	191	393	393
34	WESTERN		400		406	406	405	405	393	(13)	243	393
35	T. Fwe Price	1	400	0	0	201	196	200	391	191	391	391
36	re			412	404	402	394	398	390	(8)	(26)	(114)
37	Robeco	1	300	371	369	368	351	368	376	8	19	279
38	Clearbridge	1	250	0	145	152	243	259	255	(5)	255	255
39		1	250	0	142	150	240	256	248	(9)	248	248
	l Otal	.1	46,329	52,445	51,517	53,810	53,274	55,527	54,889	(638)	9,961	16,411

Active Domestic Mandates 1

2.08-1: LPF – Breakdown of Active Domestic Mandates by Mandate Issuace (01/2022)

	Contract	Contract	Tenor			Size (N	IT mn)		Per	formance	epa	ırk
Mandate Name	Starting	Expiry	(years)	Manager	Funding	10	1/22	Y	Mandate YTD	T al Re m	chmark	Alpha
	•	•		Allianz	7,50	12,706	22	-	-5.4%	8 %		59.6%
				HSBC		7,357	4	-0.	-0.9%	.1.4%		23.1%
Y2017 Domestic Mandate -	02/07/18	02/06/22	4	Capital	4,75	7,275	01	-5.1%	5.1	46.1%	24.3%	21.8%
1st batch	02/01/10	OLIOGILL	•	Prudentia ²	5,000	720	6,821	-2.8%	ర%	35.1%	24.070	10.8%
				Taishin	4,500		6,589	-7.2%	-7.2%	40.4%		16.0%
				Cathay	4,500	6,	6,238	1.3%	1.3%	37.6%		13.3%
Y2007 Domestic Mandate - 1st batch (Renewal-4)	09/27/19	09/26/22	3	Nomura	581	37,77	5,505	-6.0%	-6.0%	56.5%	14.3%	42.2%
Y2014 Domestic Mandate - 1st batch - 2nd term (Renewal)	10/08/18	10/07/22		ishin	12,	19,509	18,833	-3.5%	-3.5%	64.0%	20.4%	43.6%
				Allian.	6,00	11,128	10,867	-2.3%	-2.3%	114.5%		6.3%
				Cathay	6,000	10,903	10,656	-2.3%	-2.3%	107.8%		-0.4%
				dential	6,000	10,619	10,411	-2.0%	-2.0%	102.1%		-6.2%
Y2018 Domestic Mandate - 1st batch	10/2 18	22	4	Tal	6,000	10,588	10,342	-2.3%	-2.3%	104.0%	108.3%	-4.3%
Tot Buton				Uni resident	4,000	8,916	8,686	-2.6%	-2.6%	118.9%		10.6%
				ruh Hwa	4,000	8,553	8,359	-2.3%	-2.3%	106.2%		-2.0%
				Capital	2,500	7,080	6,449	-8.9%	-2.1%	98.6%		-9.7%
Y201 omestic Mandate - 2nd b	12/03/1	12/02/22	4	Cathay	7,441	10,946	10,078	-7.9%	1.1%	37.7%	19.5%	18.2%
Y2008 De 1st batch (Renewal-4)	1/20/2	01/19/23	3	Nomura	9,193	13,904	13,043	-6.2%	-6.2%	41.9%	12.3%	29.6%

Active Domestic Mandates 3

2.08-3: LPF – Breakdown of Active Domestic Mandates by Mandate Issua ce (01/2022)

		0	T			Size (N	Γ\$mn)		Pe	rformance	ancha	rk
Mandate Name	Contract Starting	Contract Expiry	Tenor (years)	Manager	Funding	12/21			Mandate YTD	Tot I Retu	nmark	Alpha
				Cathay	8,000	,283	8,	-4.	-4.0%	1		7.1%
				Nomura	8,00	333	8,7	-5.9%	5.9%	9.8%		5.5%
Y2020 Domestic Mandate - 1st batch	05/24/21	05/23/25	4	Allianz	,000		8 2	-3.6%		5.0%	4.3%	0.7%
manado 13t baton				Taishin	000	8,	ه,335	-3.0%	ر.1%	4.2%		-0.1%
				Prudential	Q	8,25	7,976	-3.4%	-3.4%	-0.3%		-4.6%
				Allianz	15,	11,569	316	32.4%	-1.9%	3.1%		-0.8%
Y2014 Domestic				Cathay	4,85	11,374		33.4%	-1.4%	3.5%		-0.4%
Mandate - 2nd	12/01/21	11/30/25		resident	1,354	1,899	,084	-1.8%	-1.8%	2.9%	3.9%	-1.0%
batch (Renewal)				'Mar	,891	73	11,287	-1.6%	-1.6%	3.6%		-0.3%
				H 3C	791	46	11,161	-1.6%	-1.6%	3.4%		-0.5%
	1			Cati	000	4,034	3,980	-1.4%	-1.4%	-0.5%		-1.3%
				Prude al	-, 00	4,021	3,945	-1.9%	-1.9%	-1.4%		-2.2%
Y2021 Domestic	12/15/21	/14/_		Allianz	4,000	4,010	3,939	-1.8%	-1.8%	-1.5%	0.8%	-2.4%
Mandate - 1st batch	12/13/21	/ 14/2		Nomura	4,000	4,066	3,869	-4.8%	-4.8%	-3.3%	0.076	-4.1%
				bon	4,000	4,032	3,865	-4.1%	-4.1%	-3.4%		-4.2%
	•				4,000	4,019	3,844	-4.4%	-4.4%	-3.9%		-4.7%
Y201 omestic Manc 2nd	01/24/22	01/26	4	Fuh Hwa	19,010	0	18,766		-1.3%	-1.3%	-1.3%	0.0%
batch	31,21,22	3 //		Uni-President	14,437	0	14,245		-1.3%	-1.3%		-0.1%
Total					408,322	525,524	544,649	3.6%				

2. Labor Retirement Fund (DB Scheme)

Global Mandates – Active Mandates by Mandate Type

2.12-1: LRF - Breakdown of Global Mandates by Mandate Type (01/2022)

	Contract	Contract	Tenor			Size (U	IS\$nm)		Perf	ormance	er .	ark
Mandate Name	Starting	Expiry	(years)	Manager	Funding	12/~	72		Mandate YTD	tal R rn	nch mark	Alpha
Regional APAC Enhanced Equity	11/17/17	11/16/21	4	Invesco	30-	369	5	1	1.7%	.1%	20.1%	6.9%
Global Enhanced Equity	02/06/17	02/05/22	5	BlackRock	756	122	, 51	-5.0%		78.6%	79.9%	-1.3%
				Nomura	258		428	-1.0%	-1.0%	58.5%		2.5%
Global ETF	03/06/17	06/05/22	5	SSgA	259	2	428	-0.9%	-0.9%	58.0%	55.9%	2.1%
Global ETT	03/00/17	00/03/22	J	UBS	7	420	424	-0.8%	-0.8%	57.6%	33.370	1.7%
				BlackRock		425		-0.9%	-0.9%	57.6%		1.6%
				Ar	1.	239	229	-4.2%	-4.2%	61.4%		1.2%
Global ESG Mixed-	06/22/17	06/21/22	5	Trust	150	239	229	-4.4%	-4.3%	61.3%	60.2%	1.1%
Index Passive Equity	00/22/17	00/21/22	3	TWS	150	239	229	-4.3%	-4.3%	61.3%	00.270	1.1%
				L ckRock	150	238	227	-4.3%	-4.3%	60.2%		0.0%
				Fia ty	300	352	348	-1.3%	-1.3%	15.6%		-0.6%
Absolute Return	07/05/47	07/2	-	TCW	300	347	344	-0.7%	-0.7%	16.6%	40.00/	0.3%
Bond	07/25/17	07/2	5	American .dry	300	337	334	-0.6%	-0.6%	12.0%	16.2%	-4.2%
				Franki.n	300	319	318	-0.2%	-0.2%	7.6%		-8.6%
Global V Volat. V Equity	06/13/18	423	5	⊿lackRock	671	849	818	-3.6%	-3.6%	21.8%	21.3%	0.5%
Globalanced	06/24/19	23/23	4	Fidelity	787	1,012	981	-3.1%	-3.1%	22.0%	27.2%	-5.2%
Clobal				Wellington	504	764	746	-2.3%	-2.3%	48.2%		10.9%
Global I Dividend Equity	19	0 ./24	5	Vontobel	287	483	456	-5.6%	-5.6%	58.8%	37.3%	21.5%
				MFS	247	342	343	0.4%	0.4%	39.1%		1.8%

2. Labor Retirement Fund (DB Scheme)

Global Mandates – Active Mandates by Mandate Type

2.12-2: LRF – Breakdown of Global Mandates by Mandate Type (01/2022)

	Contract	Contract	Tenor			Size (U	S\$nın)		Perf	ormance	en	ıark
Mandate Name	Starting	Expiry	(years)	Manager	Funding	12/2	'72	$\sqrt{\chi}$	Mandate YTD	1 tal R rn	nich mark	Alpha
	•	•		Invesco	80	114	1	-	-2.5%	%		25.3%
Abaaluta Datuun				CPR	00	114	b	-3.5	-3.5%	40.8%		22.6%
Absolute Return Equity	01/23/19	01/22/24	5	Wellington	80	102	00	-2.6%	0	32.0%	18.1%	13.9%
_9~,				SSgA	80	7	94	-4.3%	-4.3%	23.8%		5.7%
				Nomura	40		37	-0.4%	-0.4%	5.5%		-12.6%
Global Infrastructure Equity	05/29/19	05/28/24	5	Lazard		896	865	-3.5%	-3.5%	22.1%	19.7%	2.4%
Global REITs	08/27/19	08/26/24	5		61.	795	747	-6.1%	-6.1%	18.3%	13.7%	4.6%
	00/21/19	00/20/24		1P	127	79	158	-6.4%	-6.4%	24.8%	13.7 /0	11.2%
				JP organ	595	621	595	-4.3%	-4.3%	0.0%		-2.7%
Global Multi-Asset	07/20/21	2/26	5	DWS	311	316	312	-1.3%	-1.3%	0.2%	2.7%	-2.5%
Global Multi-Asset	01/20/21	20	J	Pinebri	255	260	248	-4.4%	-4.4%	-2.6%	2.7 70	-5.3%
				Allianz	155	164	158	-3.4%	-3.4%	1.9%		-0.8%
				ClearBride	30	31	31	-1.8%	-1.8%	2.7%		2.6%
Global	09/08/21	0: 7/2	5	reller	30	31	30	-2.8%	-2.8%	-0.8%	0.1%	-0.9%
Infrastr	00/00/21		Ü	ÆF	30	31	30	-3.6%	-3.6%	-0.8%	0.170	-0.9%
			•	CBRE	30	31	30	-3.4%	-3.4%	-1.2%		-1.3%
Globa	1/22	01/0 27	. 5	PIMCO	1,004		990	N/A	-1.4%	-1.4%	-1.4%	0.0%
Fixed I		VIII.		Loomis	949		934	N/A	-1.5%	-1.5%	1.70	-0.1%
Total					11,588	13,077	14,609	11.7%				

2. Labor Retirement Fund (DB Scheme)

Domestic Mandates – List of Active Mandates

2.14: LRF – Breakdown of Active Domestic Mandates by Mandate Issuap (01/2022)

	Contract	Contract	Tenor			Size (N	Г\$ти,		Perfo	ormance	anci la	rk
Mandate Name	Starting	Expiry	(years)	Manager	Funding	12/2	7		Mandate YTD	T 'al Re rn	nch mark	Alpha
Y2009 Domestic Mandate - 2nd batch	01/28/19	01/27/22	3	Fubon	7,958	3,511	112	-9.3	-9.3%	.0%	18.5%	49.6%
(Renewal-3)	01/20/19	01/2//22	3	Uni-President	3,491	117	10 4	-5.9%	-5.00	59.7%	16.5 /6	41.2%
				Allianz	7,500	1.	.2,023	-5.4%	5.4%	84.0%		59.6%
				нѕвс	00	7,3.	7,295	-0.9%	-0.9%	47.5%		23.1%
Y2017 Domestic Mandate - 1st batch	02/07/18	02/06/22	4	Capital		7,276	902	-5.1%	-5.1%	46.2%	24.20/	21.8%
- 1st term	02/07/18	02/00/22	4	rudential	5,00	7,021	J22	-2.8%	-2.8%	35.1%	24.3%	10.8%
					4,500	099	6,590	-7.2%	-7.2%	40.4%		16.1%
				thay	4,500	,159	6,239	1.3%	1.3%	37.6%		13.3%
Y2015 Domestic Mandate - 1st batch	04/01/19	2/23	4	Ful. Iwa	,651	6,048	5,604	-7.3%	-7.3%	53.5%	17.4%	36.1%
(Renewal)	04/01/19	723	4	Allian.	2,474	4,054	3,865	-4.7%	-4.7%	54.6%	17.4%	37.2%
Y2012 Domestic Mandate - 2nd Patch (Renewal-2)	05/04/20	5/04/24		Nomura	19,273	31,902	29,941	-6.1%	-6.2%	55.4%	10.5%	44.9%
Y2012 omestic Mand 2 - 1st batch (Rent 2)	11/02/20	1 1/24	4	нѕвс	5,685	8,385	8,176	-2.5%	-2.5%	43.8%	45.0%	-1.2%
					76,783	122,537	116,078	-5.3%				

3. Labor Insurance Fund

Overview

- (or -1.6%) in 01/202 Asset Size: LIF had a total size of US\$30,025mn as of 01/2022, a decrease of US\$480ml
- Asset Allocation: As of 01/2022, LIF delegated 36.1% (or US\$10,832mn) of its as ternal managers and the mainin 33.9% were self-managed, including 17.4% in self-managed overseas investments in fixed-inco (8.2%), equity (8.1%) an atives (1.1%), 21.6% in self-managed stocks & beneficiary certificates and 10.3%
- Global Mandates: LIF delegated US\$9,871mn (32.9% of its total asset 1 to 24 gld dates and the top-5 n 27 global n nanal \$549mp and LGIM (US\$548mn). winners were MFS (US\$1,625mn), PIMCO (US\$940mn), Northerp US\$729m GEODL
- Domestic Mandates: LIF also delegated US\$961mn (3.2%) 19 domestic mandates to its total ts) to omestic mai Cathay (2), Nomura (1), SinoPac (1), Allianz (1), Capital (1 BC (1), P. (1) and Taishin

2.16: Brief Profile of Labor Insurance Fund

Comparison	Item		Р	t 6 Mo.	Pata (U′ øm	nn)		Past	2-Year Cha	nge
Companson	nem	L 79	M	10/21	1/21	12/21	01/22	MoM	1Y	2Y
Asset Size (US\$mn)	Total	30, 20		30,17	29,888	30,505	30,025	-1.6%	7.8%	21.6%
	Global	2	21	27	27	27	27	0	0	(5)
Delegated Mandate No.	Domesi	9	9	9	9	9	9	0	(1)	(1)
	otai	36	36	36	36	36	36	0	(1)	(6)
51 (11	Global M date	9,719	9,346	9,646	9,640	10,097	9,871	-2.2%	16.3%	23.8%
Delegated Markets Size (Usann)	Domestic and		915	936	984	1,014	961	-5.3%	1.4%	25.7%
Olizo (Olizini)	7 .1	0,662	10,262	10,582	10,624	11,111	10,832	-2.5%	14.8%	24.0%
Deleg	Global Mar	31.8%	31.4%	32.0%	32.3%	33.1%	32.9%	-0.2%	2.4%	0.6%
Size as	mestic N date	3.1%	3.1%	3.1%	3.3%	3.3%	3.2%	-0.1%	-0.2%	0.1%
Total AUM	То	34.9%	34.5%	35.1%	35.5%	36.4%	36.1%	-0.3%	2.2%	0.7%

4. National Pension Fund

Overview

- Asset Size: NPF asset size reached US\$16,660mn as of 01/2022, a US\$376mn decreas (-2.2%) on a MoM ba r +12.3% increase on YoY.
- s, 18.9% in stocks and Asset Allocation: 33.3% were in delegated mandates, versus 26.0% in overseas invest. Jary certificates, and 7.9% in corporate bonds & financial bonds.
- Global Mandates: as of 01/2022, NPF delegated US\$4,330mn (26.02) of its total ets) to Nobal manag in 30 global mandates, a decrease of US\$195mn (or -4.3%) in 01/2022.
- Domestic Mandates: NPF also delegated US\$1,220mn (7.3° of its to. domestic n In 5 domestic mandates. sets) tr

2.21: NPF - Brief Profile

Composions	It am			F Mon	ths Da			Past	2-Year Char	nge
Comparison	Item		09/21	10/2	11/21	12/21	01/22	MoM	1Y	2Y
Asset Size (US\$mn)	Total	31	16,429	16,67	3,611	17,036	16,660	-2.2%	12.3%	37.2%
	Global Mandate	25		30	30	30	30	0	5	8
Delegated Mandate No.	Domes Mandate			5	5	5	5	0	0	0
		30	30	35	35	35	35	0	5	8
	Global I nda	4,076	2015	4,343	4,379	4,525	4,330	(195)	869	1,160
Delegated Mandate Size (US\$mn)	Domestic landate	1,211	1,186	1,198	1,228	1,264	1,220	(44)	141	377
0.120 (0.00)	tal		5,101	5,541	5,607	5,789	5,550	(239)	1,009	1,537
Deleg ed Mandate	Global Ma ate	∠ 4.3%	23.8%	26.0%	26.4%	26.6%	26.0%	-0.6%	2.7%	-0.1%
Size Weight of	Domestic I ndate	7.2%	7.2%	7.2%	7.4%	7.4%	7.3%	-0.1%	0.0%	0.4%
Total	То	31.5%	31.0%	33.2%	33.8%	34.0%	33.3%	-0.7%	2.7%	0.3%

4. National Pension Fund

Active Global Mandates

2.23: NPF – Breakdown of Global Mandates by Mandate Issuance (01/2027)

							`					
	Contract	Contract	Tenor			Size (U	S\$m.1)		Perf	ormance	enc.	ark
Mandate Name	Starting	Expiry	(years)	Manager	Funding	12/2*	3		Mandate YTD	1 al Re m	nch mark	Alpha
				SSgA	125	192		-4	-4.3%	3%		1.6%
Global ESG Mixed-Index	06/22/17	06/21/22	5	Northern Trust	125	192		-4.3	-4.3%	61.2%	60.2%	1.0%
Passive Equity	00/22/17	00/21/22	3	DWS	125	2	183	-4.3%	ه/ه	61.1%	00.2%	0.9%
				BlackRock	125		183	-4.3%	-4.3%	60.4%		0.2%
				Fidelity	50	1ե	167	-1.2%	-1.2%	15.5%		-0.7%
Absolute Return	07/25/17	07/24/22	5	TCW		166	165	-0.8%	-0.8%	16.6%	16.2%	0.4%
Bond	07/23/17	01124122	3	rican Century	1	113	.2	-0.7%	-0.7%	11.9%	10.2 /0	-4.3%
					100	107	106	-0.2%	-0.2%	7.6%		-8.6%
				W 'ing.	120	ان	151	-2.7%	-2.7%	31.9%		13.7%
				SSg.	120	151	144	-4.3%	-4.3%	23.5%		5.3%
Absolute Return Equity	01/23/19	2/24	5	Invesc	80	114	111	-2.5%	-2.5%	43.4%	18.1%	25.3%
_9,				CPR	80	114	110	-3.5%	-3.5%	40.8%		22.7%
				Nomura	40	37	37	-0.4%	-0.4%	5.5%		-12.6%
Global High				rthern 7 ast	280	390	362	-7.1%	-7.1%	29.7%		0.7%
Quality .ssive	08/11/20	08/ /2	5	<u> </u>	279	390	362	-7.2%	-7.2%	29.9%	29.0%	0.9%
Equit	—			GIM	279	389	361	-7.1%	-7.1%	29.4%		0.4%

5. Public Service Pension Fund (PSPF)

Overview

- 46mn (-2.8%) MoM o Asset Size: The size of PSPF reached US\$25,570mn as of 01/2022, a decrease of US\$2 9% YoY.
- s, plus 18.1% in bonds. Asset Allocation: PSPF delegated 48.5% or US\$12,398mn of assets to external present the property of the property **№** in 🗹 nestic equity funds, 6.5% in NTD deposits and 3.6% in domestic bills.
- gers in 20 global nances including Global Mandates: PSPF delegated US\$8,048mn (31.5% of its total assets) bal n Allianz (US\$1,832mn), BlackRock (US\$1,034mn) and Schroders (US\$1 10mn).
- Domestic Mandates: PSPF also delegated US\$4,351mn (17.0%) tal assets 8 dome 17 domestic manager mandates.

2.27: PSPF - Brief Profile

Comparison	It a wa			Mor	ths Da	>		Past	2-Year Char	nge
Comparison	Item		09/21	10.	11/21	12/21	01/22	MoM	1Y	2Y
Asset Size (US\$mn)	Total	132	25,418	25,7	25,681	26,316	25,570	-2.8%	12.9%	31.7%
	Global Mandate	20		2.	21	20	20	0	0	(1)
Delegated Mandate No.	Dome: Mandate			17	17	17	17	0	(1)	8
		3)	38	38	38	37	37	0	(1)	7
	Global I no.	8,520	7.909	8,129	8,132	8,139	8,048	(91)	591	1,489
Delegated Mandate Size (US\$mn)	Domesti Mandate	4,261	4,138	4,243	4,409	4,590	4,351	(239)	791	2,586
	tal		12,047	12,372	12,541	12,728	12,398	(330)	1,381	4,075
Delegged Mandate	Global Ma	2.7%	31.1%	31.6%	31.7%	30.9%	31.5%	0.5%	-1.5%	-2.3%
Size Weight of	Domestic I ndate	16.4%	16.3%	16.5%	17.2%	17.4%	17.0%	-0.4%	1.3%	7.9%
Total	То	49.1%	47.4%	48.0%	48.8%	48.4%	48.5%	0.1%	-0.2%	5.6%

(Source: PSPF)

III. Taiwan Global Mandate Karket

- Taiwan Global Mandate Mark τ Ον γie
- Global Mandate Breakd wn by Persion Full and by Portfolio Manager
- Key Players Archivsis

III. Taiwan Global Mandate Market

Global Mandate Market by Taiwan Government Pension Fuzz

- Global Mandate Size: As of 01/2022, Taiwan government pension funds outsourced 181 global mandates to 44 al managers with aggregate AUM size of US\$91.8bn. The asset size is equivalent to 41.5% of the Taiwan government per funds A The mandate number remained at 181.
- Breakdown by Pension Fund: Among the 5 government pension funds, (DC Scheme) to k 59 % of total sion N US\$14.6bn), Labor market share with US\$54.9bn in 67 mandates. The remaining 40.2% in aded Lak etiren Fund (15.9%) Insurance Fund (10.8% or US\$9.9bn), Public Service Pension Fund % or US\$8 nal Pensi rund (4.7% or h) and l US\$4.3bn).

3.01: Global Mandates by Taiwan Government Pe n Fund

Comparison	Fund Type	Waight			ast 6 Mo	nt. ta			Past	2-Year Cha	nge
Companson	Fund Type	Weight	08/21	05 1	′ 21	11,	12/21	01/22	MoM	1Y	2Y
	LPF		58	62	§ 7	51	67	67	0	8	9
	LRF	20.49		7		37	37	37	0	4	4
Global	LIF	14.9%	۵.	7		27	27	27	0	0	(5)
Mandate No.	PSPF	11.0%	20		21	21	20	20	0	0	(1)
	NPF	16.6%	25	25	30	30	30	30	0	5	8
	Total	100.0%	1	172	182	182	181	181	0	17	15
	LPF	V	52,44	51,517	53,810	53,274	55,527	54,889	(638)	9,961	16,411
	₹F	15.	,080	14,729	15,109	14,771	15,345	14,609	(736)	336	1,622
Global Manda Size	LIF	10.8%	9,718	9,345	9,645	9,639	10,096	9,871	(225)	1,384	1,899
(US\$	PSPF	8.8%	8,534	7,931	8,144	8,158	8,166	8,070	(96)	488	1,490
		4.7%	4,075	3,915	4,343	4,379	4,525	4,330	(195)	869	1,166
	7	100.0%	89,852	87,438	91,051	90,220	93,659	91,769	(1,891)	13,038	22,589

(Source: BLF / PSPF)

IV. Domestic Government Mandate Market

Domestic Mandate Market Outsourced by Taiwan Pension

- Domestic Mandates: As of 01/2022, 5 Taiwan government pension funds delegated a tolling of 93 domestic man s to 14 dome managers with aggregate funding value totaled to NT\$589.5bn AUM and accumulative rent value of NT\$842.5 The total mandate number decreased 1 to 93.
- Market Size Breakdown: LPF accounted for 64.6% (or NT\$544.6bn) market dates, vs. 14.4% or N 21.1bn) by n 50 in 12 mandat Public Service Pension Fund in 17 mandates, 13.8% (or NT\$116.1bn) ment 4.0% (NT\$33.9bn) by NPF in 5 mandates and 3.2% by Labor Insurance Fund (NT\$26.7 in 9 manda

4.01: Domestic Government Pension Fund Mand reakdov JM in NT\$mp

Comparison	Fund Tyme		Waight			Past 6 Mo	Data			Change	es in Past 2	? Years
Companson	Fund Type		Weight	08/21	9/21	10/21		12/21	01/22	MoM	1Y	2Y
	LPF			45	45	45	45	51	50	(1)	0	0
	PSPF		1გ %	17	17		17	17	17	0	(1)	8
Domestic	LRF		12.9		12	12	12	12	12	0	(4)	(4)
Mandate No.	NPF		5.4%	5	5	5	5	5	5	0	0	0
	LIF		9.7%	9	9	9	9	9	9	0	(1)	(1)
		Total	100.0%	98	88	88	88	94	93	(1)	(6)	3
	L PF		1.6%	509 10	496,347	504,852	525,578	567,654	544,649	(23,005)	66,085	185,329
	PF			19,112	115,522	118,040	122,612	127,194	121,090	(6,104)	19,915	67,715
Domes Size	LRI		13 /0	114,070	111,176	114,145	119,509	122,537	116,078	(6,459)	(6,989)	(7,134)
(NT\$)	NPF		4.0%	33,633	33,052	33,328	34,144	34,997	33,943	(1,054)	3,285	8,437
(1414)			3.2%	26,194	25,508	26,043	27,375	28,081	26,737	(1,344)	(172)	3,623
		al	100.0%	802,619	781,605	796,408	829,219	880,463	842,497	(37,966)	82,123	257,970

(Source: BLF / PSPF)

IV. Domestic Government Mandate Market

Domestic Mandate Market Outsourced by Taiwan Pension

- New / Renew : LPF renewed a mandate namely Y2013 Domestic Mandate 2nd batch Uni-President and File wa for anoth tenor of 4 years.
- Top-Ups: Labor Pension Fund gave a total of NT\$8,000mn top-ups to 2 mangers in 2 ates.
- TE and Capital Underweight: Labor Pension Fund underweighted NT\$1,500mn in 2 mag Catha

4.02a: New / Renew Mandate

Client	Mandate Name	Contract Starting		m. xpir		Tenor (years)	Asset Manager	Funding Amount (NT\$mn)
LPF (DC)	Y2013 Domestic Mandate - 2nd (Renewal-2)	V22	0.	3/26		4	n-President	14,437
		12	U			4	Fuh Hwa	19,010

4.02b: Top-Up / Under the in Domestic (andates 1/2022)

Client	Exercise Month		ndate Type		Asset Manager	Top-Up or Withdrawals Amount (NT\$mn)	Pre- Change (NT\$mn)	Post- Change (NT\$mn)
LPF ()		Y2014 Do	Mandate - patch	ch (Renewal)	Allianz	4,000	11,017	15,017
	01/2022				Cathay	4,000	10,836	14,836
	01/2022	Y2010 Don	tic Mandate - 2nd batch	n (Renewal-2)	Cathay	(1,000)	8,441	7,441
		118 Don	andate - 1st batch		Capital	(500)	3,000	2,500

End of Report

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