



Commission de Surveillance
du Secteur Financier

AIFM Reporting Dashboard

31 DECEMBER 2021

AIFM Reporting Dashboard

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AIFM Reporting Dashboard

1. Introduction

1.1 Scope of Report

- Current analysis of AIFMD data is dated 31/12/2021 and was built on the basis of 2018-2021 end of year reports.
- Analysis focuses on LU AIFMs which manage a total net asset value of EUR 1482bn. LU AIFMs can be either registered AIFMs¹ subject to a more limited scope of reporting or authorised AIFMs² subject to a wider reporting obligation under the AIFMD.
- AIFs managed by LU AIFMs are mostly based in Luxembourg (i.e. EUR 1352bn / 91%), but can also be based in other EU and non-EU countries (EUR 130bn / 9%).

1.2 Exclusions

- LU AIFs managed by Non-LU AIFMs are excluded from this analysis since the AIFMD reporting is not collected by the CSSF, but by other EU NCAs supervising the AIFM.
- Data collected by the CSSF from Non-EU AIFMs under the National Private Placement Regime ("NPPR")³ concerning LU or Non-LU AIFs (i.e. AIFs only marketed in Luxembourg) is specifically addressed in section 5 and hence this data is not considered in sections 3 to 4 of this analysis.

¹ Art. 3 of the law of 12 July 2013 on Alternative investment fund managers

² Art. 5 of the law of 12 July 2013 on Alternative investment fund managers

³ As per Article 42 of the AIFMD on conditions for the marketing in Member States without a passport of AIFs managed by a non-EU AIFM



2. Executive Summary

Key indicators	Funds of funds	Hedge funds	Private Equity	Real Estate	Other AIFs	Total*
Size						
Number of AIFs (Absolute number of units)	1.669	302	1.410	949	2.511	6.932
Net asset value (EUR bn)	€ 284bn	€ 45bn	€ 381bn	€ 227bn	€ 537bn	€ 1482bn
Average fund size (EUR mn per fund)	€ 170M	€ 147M	€ 270M	€ 239M	€ 214M	€ 214M
NAV annual growth (% of NAV)	38%	68%	84%	42%	23%	42%
Proportion of total market (NAV % of all AIFs)	19%	3%	26%	15%	36%	100%
Distribution						
Retail participation (% of total)	5%	14%	6%	3%	7%	6%
Leverage						
Leverage (Gross method) (% of NAV)	114%	325%	106%	132%	133%	128%
Leverage (Commitment method) (% of NAV)	106%	272%	107%	129%	116%	119%
Financial Leverage (% NAV)	2%	32%	2%	6%	1%	3%
Liquidity						
Open ended AIFs (% NAV)	47%	63%	4%	41%	60%	41%
Liquidity surplus (Surplus/NAV)	-10%	20%	1%	0%	8%	2%
Liquidity shortage (Shortage/NAV)	-15%	-2%	-1%	-6%	-5%	-6%

*Funds with predominant strategy "NONE" are considered in the statistics provided in the Column "Total", but are not disclosed separately.

Market Overview

- 6.932 AIFs managed by LU AIFM accounting for a Total NAV of EUR 1482bn (excluding AIFs under the National Private Placement Regime (NPPR)).
- Concentrated LU AIFM sector (45% of NAV is concentrated with 4% of the largest AIFs).
- AIFs are on average smaller than UCITS. 64% of AIFs managed by LU AIFMs with NAV < EUR 100m.
- Growth of the LU AIFM sector reached new high in 2021: AIFs are up by 42% in terms of total NAV. Strong progression recorded across all AIF strategies (PEQF (+84%), HFND (+68%), REST (+42%), FOFS (+38%), OTHR (+23%).
- PEQF is now the dominant strategy on the LU AIF market (26%), the other strategies such as FOFS, traditional AIFs (Equity and Fixed Income AIFs) or REST being relatively similar in terms of market shares. HFND remain small in Luxembourg.

AIFs investors

- 94% of AIF investors are professional investors.
- Other UCI, pension funds, and other financial institutions as main AIF investors.
- Top 5 investors account for 87% of NAV on average. Nonetheless, this high percentage could possibly reflect a lack of look-through on the beneficial owner in the reports provided by AIFMs.

Leverage

- Overall leverage appears limited, except for HFND.
- Leverage figures (AUM/NAV, commitment and gross methods) quite stable over time for all strategies, except for HFND where a deleveraging has been observed since Q4 2020.
- Financial leverage is limited (EUR 47bn) and very low, except for HFND (~32% of NAV). Most of financial leverage is coming from unsecured borrowing and (reverse) repo transactions (for HFND).
- However additional financial leverage may be contracted at sub-asset level (i.e. embedded leverage in intermediary vehicles (SPVs) may be excluded from leverage figures under certain conditions).

Portfolio breakdown

- Overall, long exposures reported are in line with AIFs investment strategies.
- Limited use of derivatives for all investment categories, except for HFND.
- 2021 TOP 5 exposures reflect the growth of PEQF: unlisted equities (EUR 414bn) are now the largest exposure ahead of shares of UCIs (EUR 411bn). Other exposures are in line with the previous year: forex (for hedging purposes) (EUR 150bn), non-leveraged loans (EUR 135bn) and commercial real estate (EUR 100bn).
- Europe and to a lesser extent North America as dominant investment regions. To be noted, investments located in Europe (non-EEA) increased in 2021 reflecting the impact of Brexit.

Liquidity

- Most LU AIFs are now closed-ended funds (53% of total NAV). 72% of open-ended funds' NAV redeemable daily to monthly; longer redemption frequencies for PEQF and REST funds.
- Liquidity risk varying significantly across AIF types.
- 2021 results are in line with 2020 findings. PEQF, HFND and OTHR AIFs show liquidity surpluses on average for most time buckets.
- REST AIFs report an overall liquidity deficit not exceeding 3% of the NAV for less than 6-months' time buckets and a surplus from 6-month bucket onward. FOFS AIFs show a higher overall liquidity deficit, the gap being important until the 31-90 days bucket (-15%).
- Liquidity information still affected by some reporting inconsistencies due the way LU AIFMs report AIF investor liquidity (e.g. existing LMTs not always considered by some AIFMs in their reporting; reporting inconsistencies between investor liquidity and portfolio liquidity).

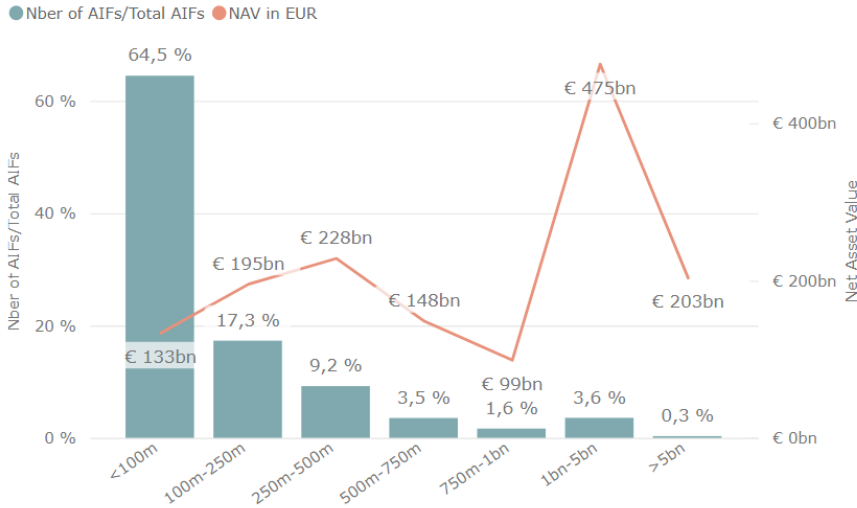
Non-EU AIFMs in Luxembourg (NPPR)

- 1060 AIFs, with a total NAV of EUR 1040bn, are marketed in Luxembourg by Non-EU AIFMs under the NPPR.
- Non-EU AIFs marketed in Luxembourg are mostly from USA (41%) or Cayman Islands (22%). In terms of strategy, 36% are PEQF, 23% are OTHR and 21% are HFND.

3. Global overview of AIFs managed by LU AIFMs

3.1 Main characteristics

3.1.1 Market size overview



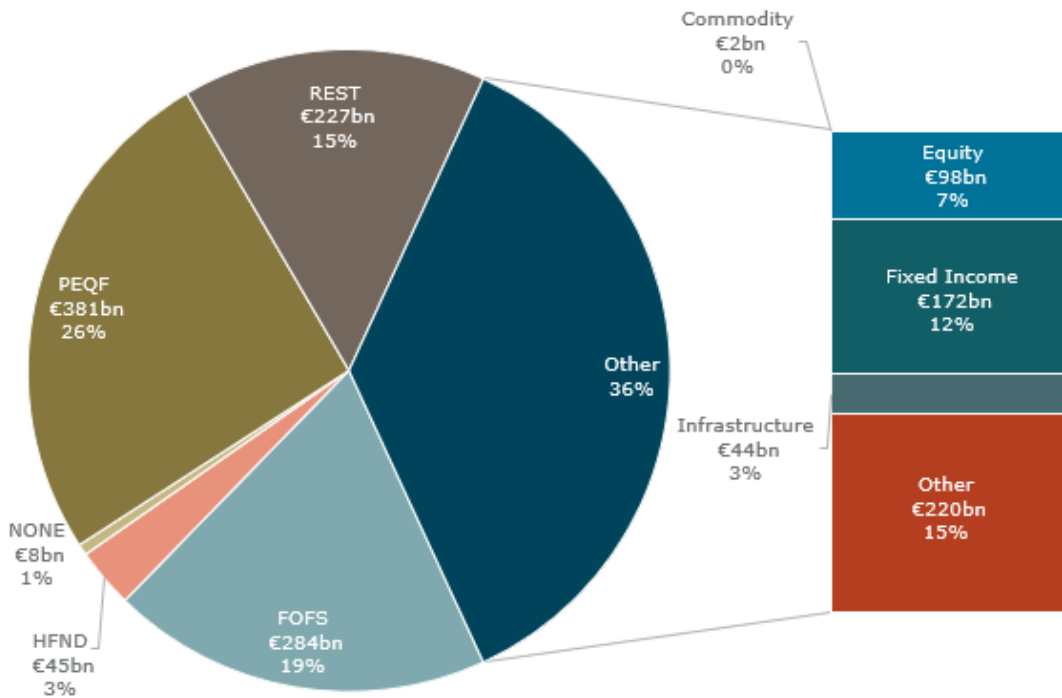
Statistical Indicators:

AIFs total number	6932*
Total NAV	€ 1.481.806.600.070
Mean	€ 213.763.214
First quartile	€ 13.858.897
Median	€ 50.768.959
Third quartile	€ 174.397.613

* AIFs with « no reporting flag » activated are excluded from this data sample

Source: AIFMD data as at 31.12.21 from all LU AIFMs

3.1.2 AIFs Investment Strategies

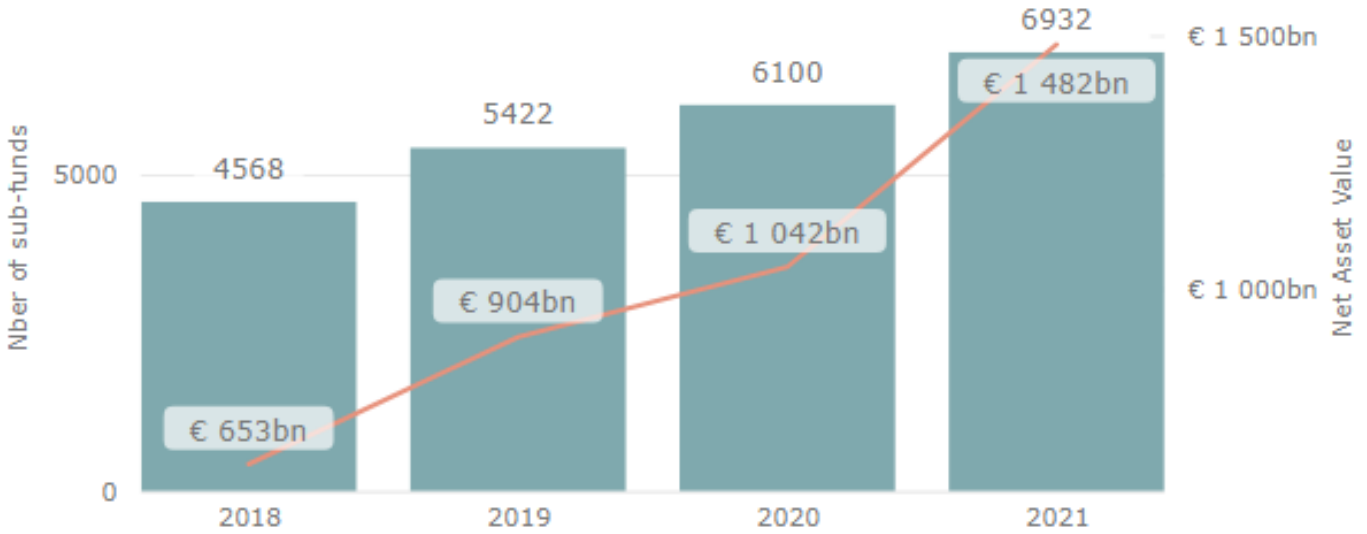


Source: AIFMD data as at 31.12.21 from all LU AIFMs

3.1.3 AIFs Market trends

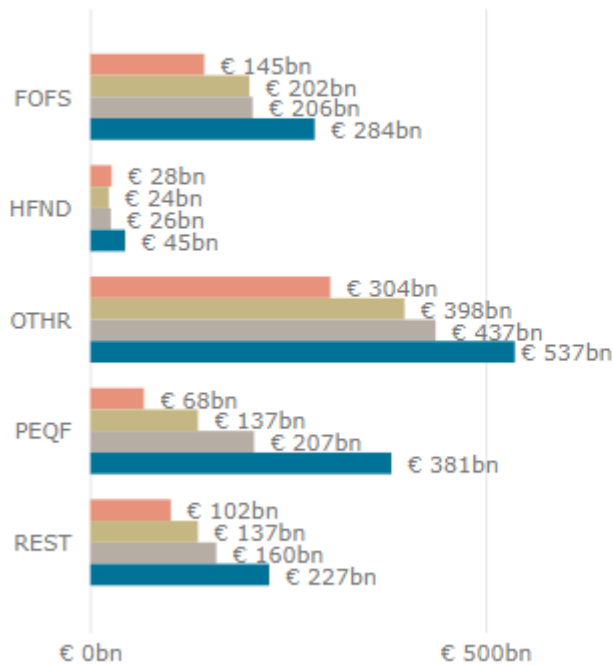
Evolution of LU AIFs Market

● Nber of sub-funds ● NAV in EUR



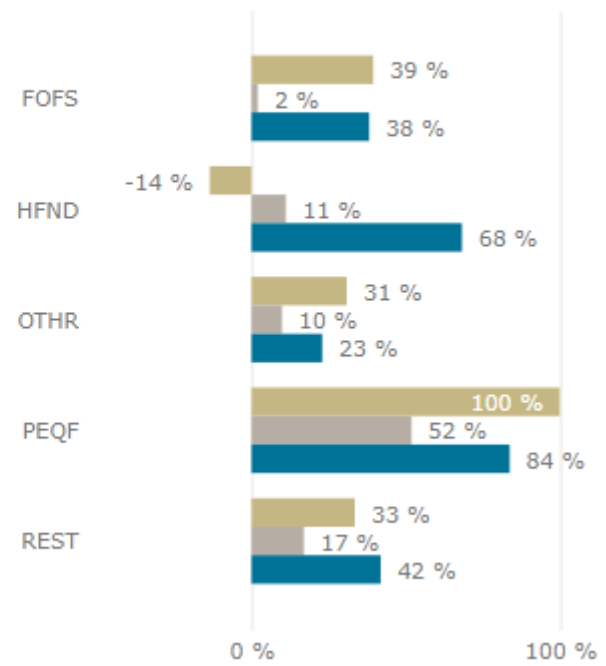
Evolution of total NAV per AIF strategy

● 2018 ● 2019 ● 2020 ● 2021



Annual variation of NAV per AIF strategy

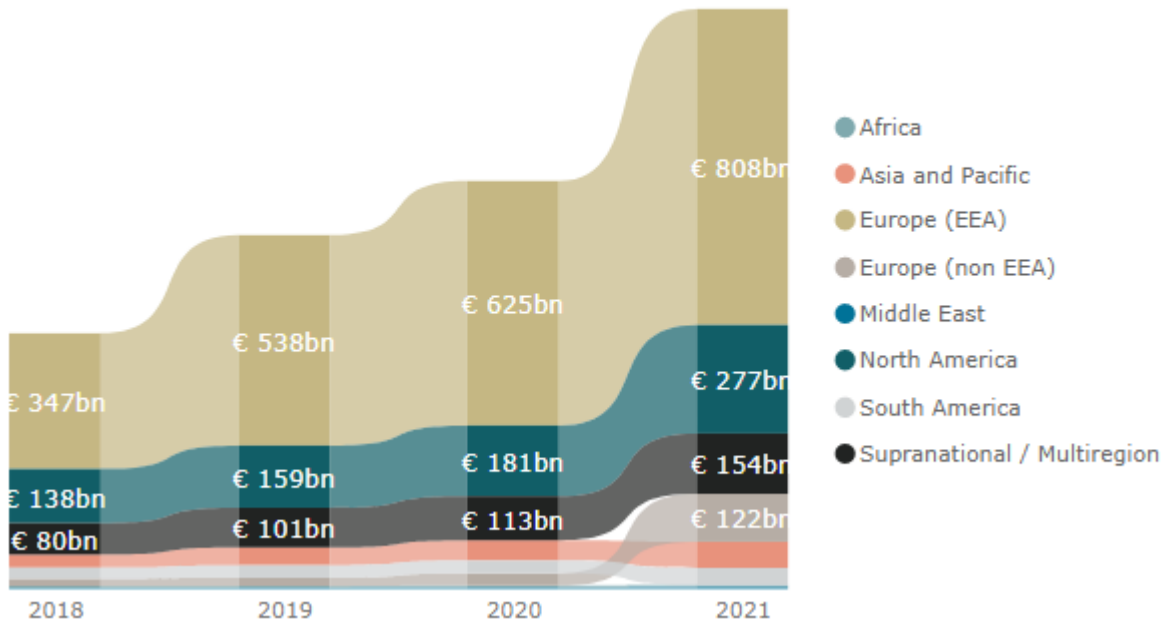
● 2019 ● 2020 ● 2021



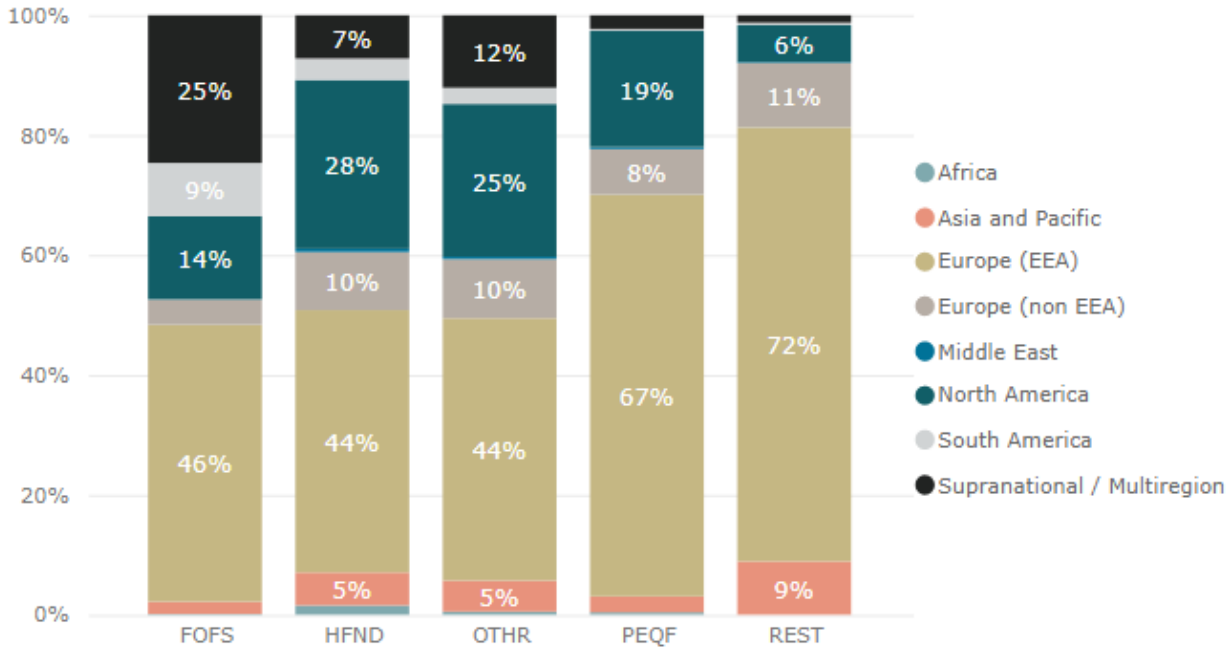
Source: AIFMD data as at 31.12.21 from all LU AIFMs

3.1.4 AIFs investments location

Trends in AIFs geographical NAV exposure



Geographical footprint of AIF investments

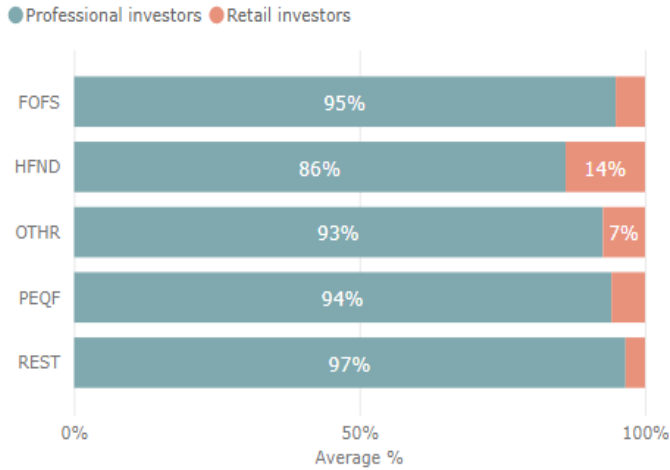


Source: AIFMD data as at 31.12.21 from all LU AIFMs

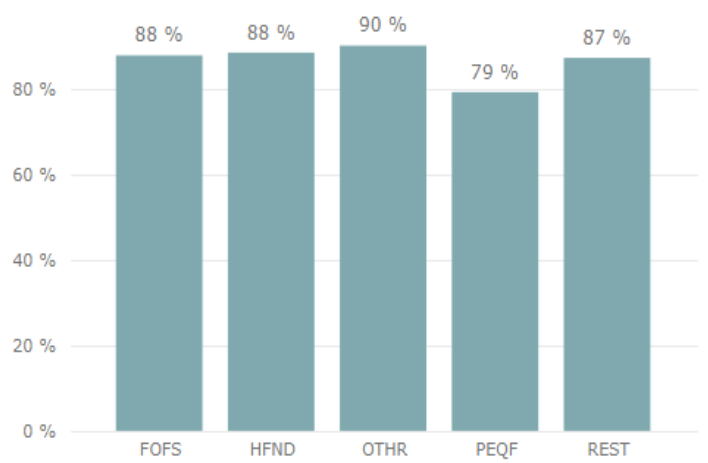


3.1.5 Investor profile of AIFs

Investor profile per AIF type (% NAV)

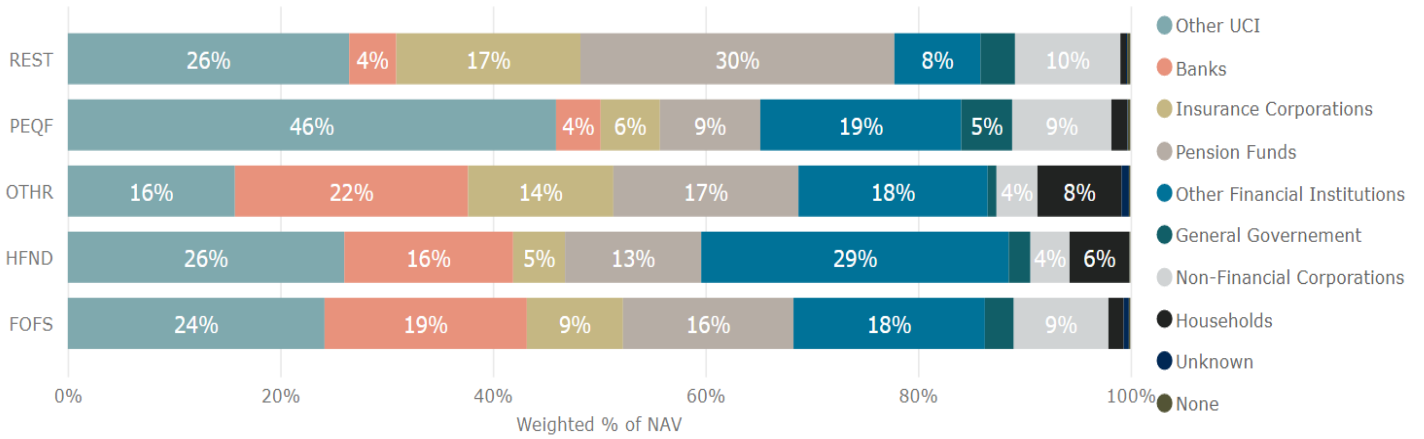


Top 5 investors percentage of ownership (% NAV)



Source: AIFMD data as at 31.12.21 from all LU AIFMs

Investor Group per AIF types



Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs



3.2 Risk profile of AIFs managed by LU AUT AIFMs

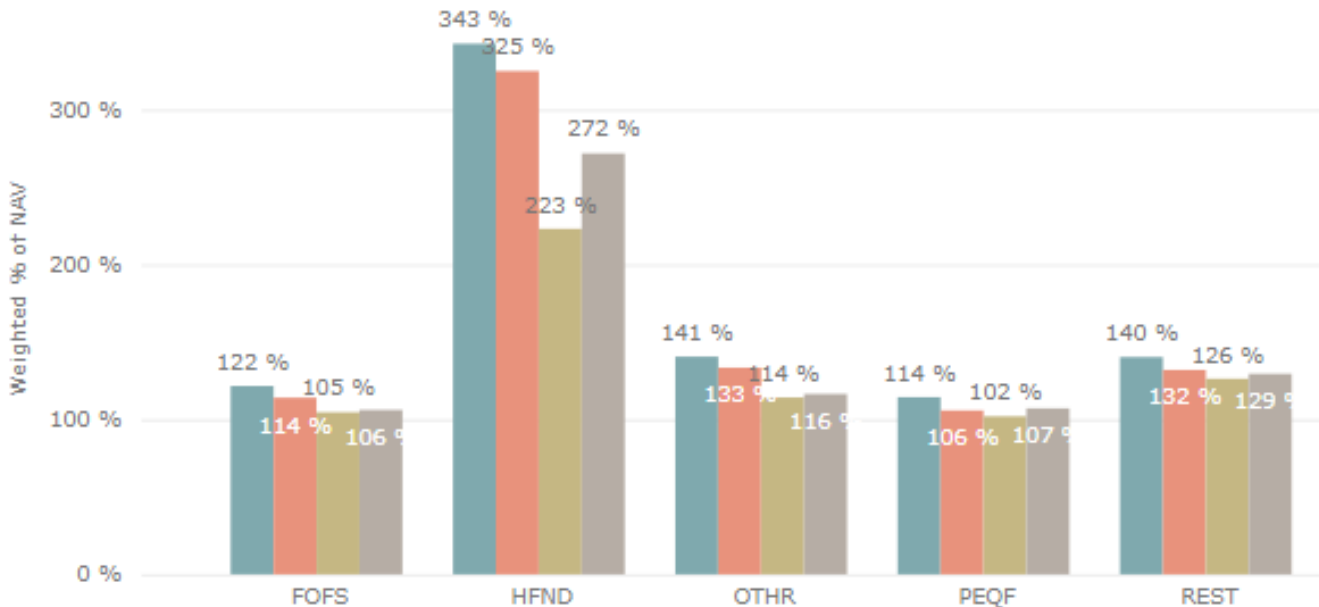
3.2.1 Leverage by AIF type (Gross Lev., Adj. Gross Lev., Commitment Lev., AUM/NAV methods)

Methodology note :

- **AUM/NAV:** this ratio provides a wide and simple estimate of the leverage of an AIF.
- **Gross Leverage:** ratio of the gross exposure quoted as a percentage of NAV. Under the gross method, exposures are calculated as the absolute value of all positions in the portfolio by including all assets and liabilities, relevant borrowings, derivatives (converted into their equivalent underlying positions) and all other positions, even those held purely for risk reduction purposes. Cash held in the base currency of the AIF is excluded.
- **Adjusted Gross Leverage:** same methodology applied than for the Gross Leverage, but with the exclusion of interest rate derivatives and foreign exchange derivatives for hedging purposes. The background of this adjustment is that those instruments tend to inflate leverage measures, since they are measured using notional amounts.
- **Commitment Leverage:** ratio of commitment exposures quoted as a percentage of NAV. The commitment approach takes into account netting and hedging and adjusts interest rate derivatives by duration. Unlike gross leverage, cash is included here.

Leverage per AIF type

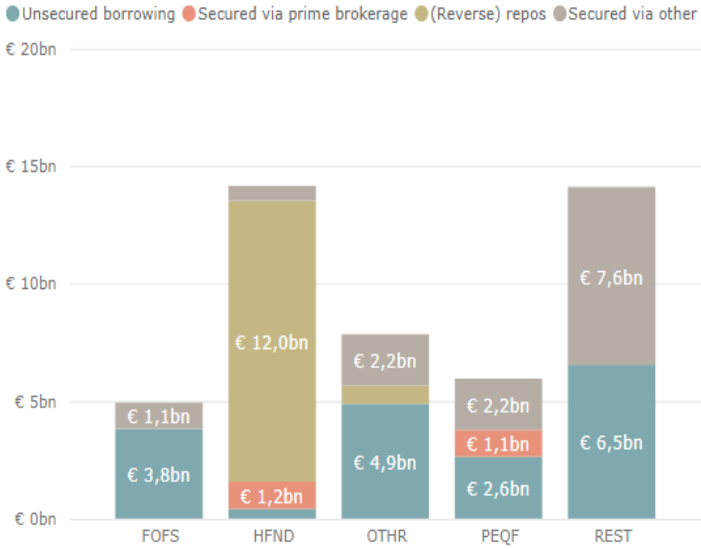
● AUM/NAV ● Gross L. ● AdjGross L. ● Commitment L.



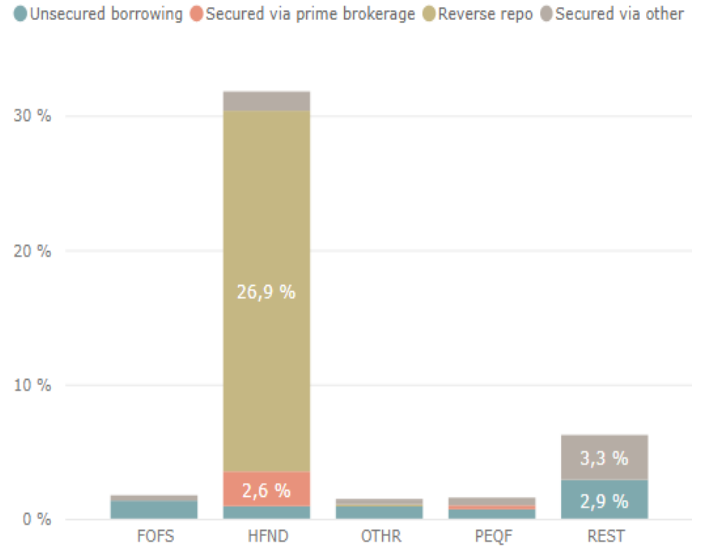
Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

3.2.2 Financial leverage

Breakdown of financial leverage (EUR)



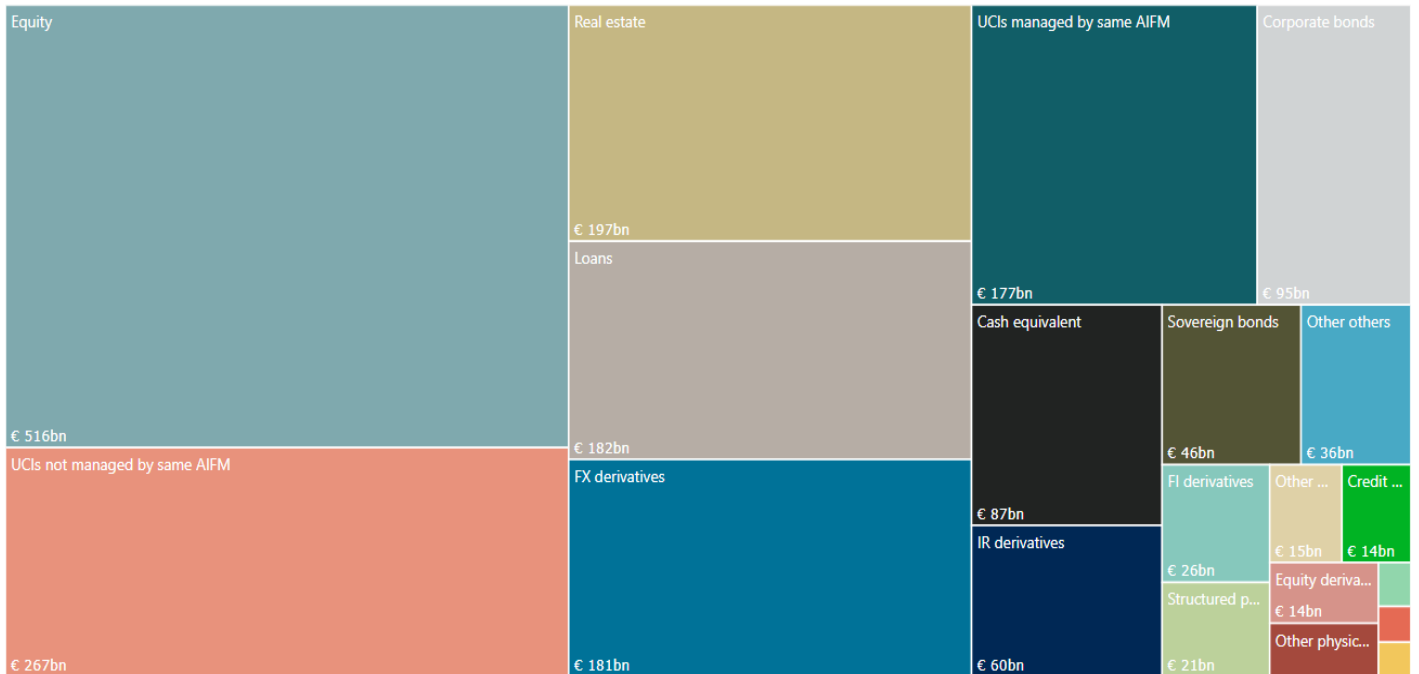
Breakdown of financial leverage (% NAV)



Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

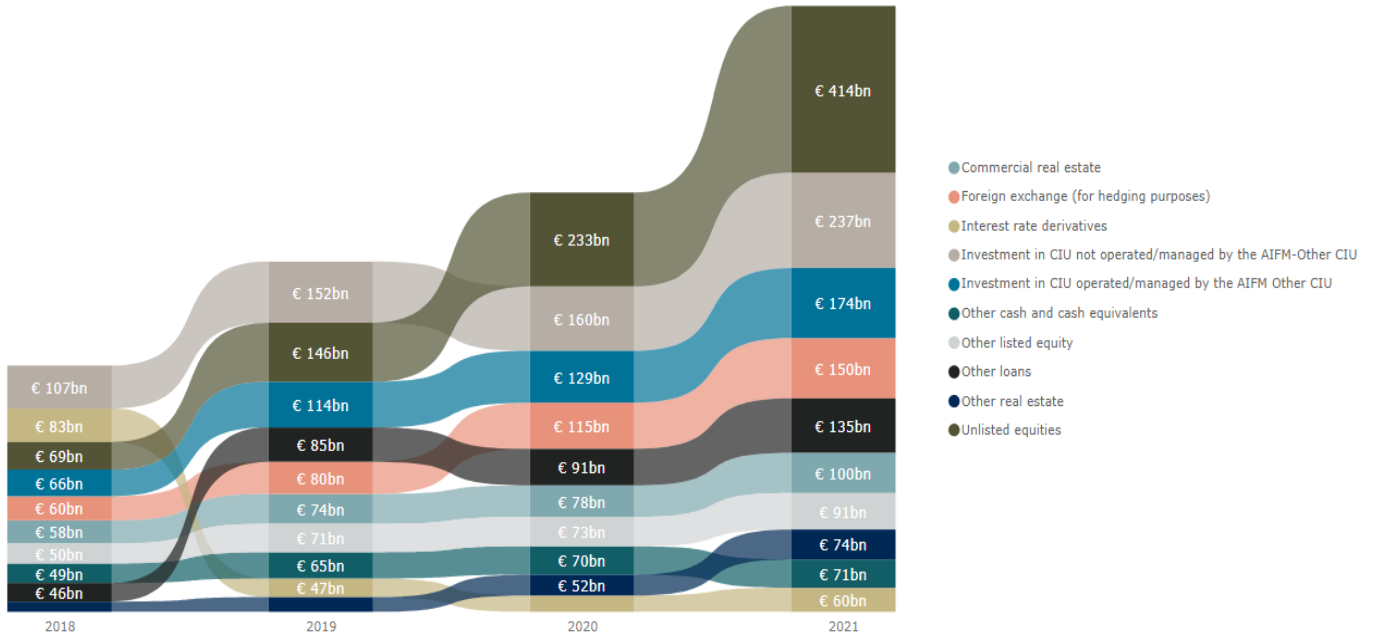
3.2.3 Portfolio breakdown – Aggregated long and short exposures

Individual Exposures (long and short)



Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

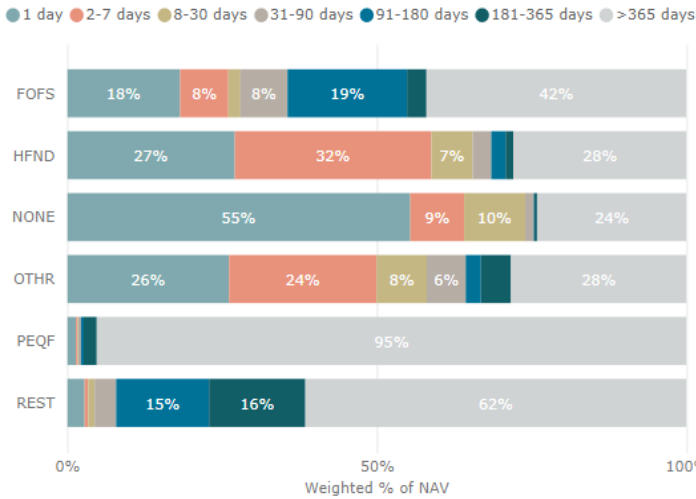
Evolution of top ten exposures (long and short)



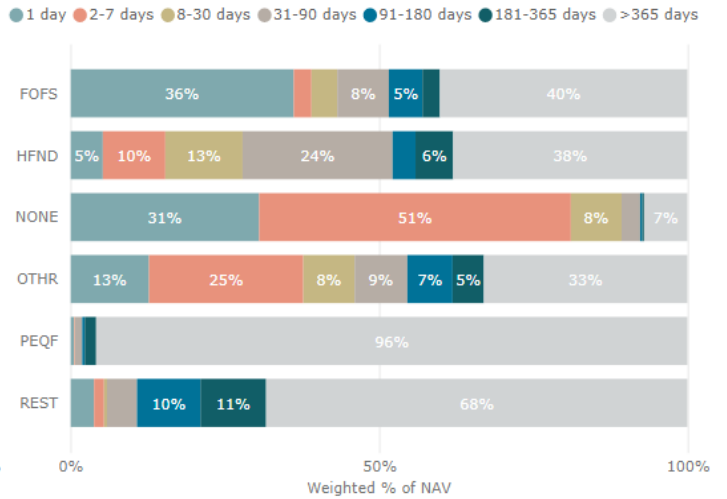
Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

3.2.4 AIFs Liquidity profile

Portfolio liquidity per time buckets



Investor Liquidity per time buckets

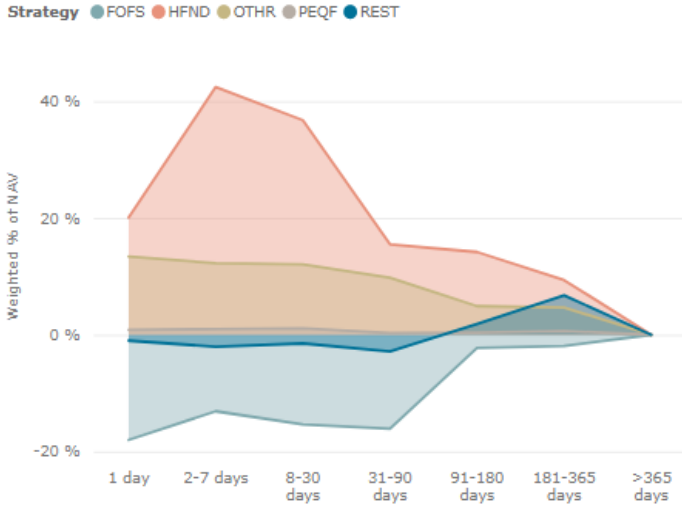


Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

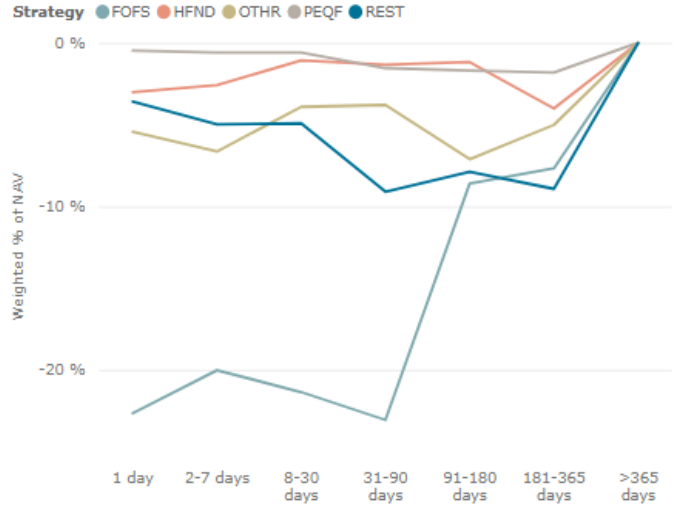
Methodology note :

- **Liquidity surplus/deficit** is calculated as the difference between the portfolio liquidity and the investor liquidity both reported in % of the NAV which is then cumulated over liquidity buckets.
- **Liquidity shortage** is defined as the sum of the negative liquidity surpluses (i.e. deficits) at the level of each fund, without considering any (positive) liquidity surplus.

Liquidity surplus/deficits by AIF strategy



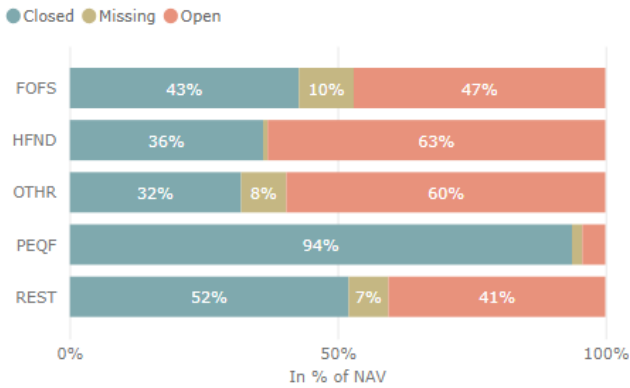
Liquidity shortage by AIF strategy



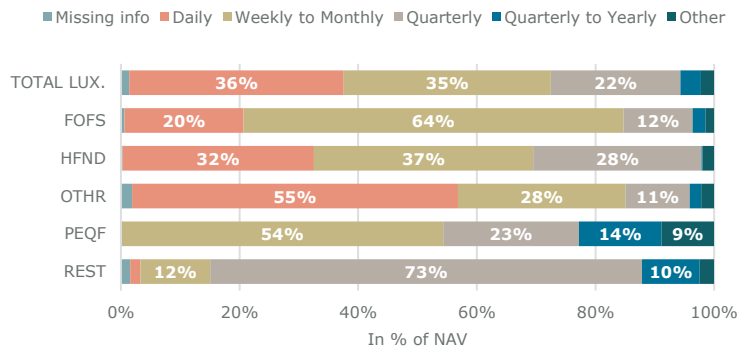
Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

3.2.5 AIFs redemption profile

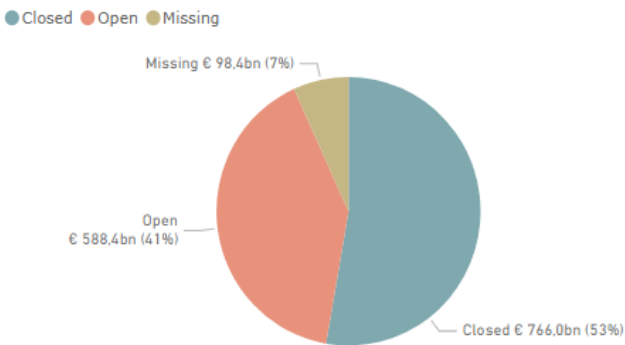
Redemption rights to investors



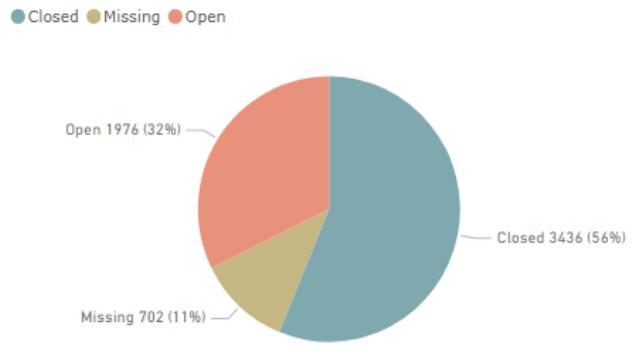
Redemption frequency of open-ended AIFs



Breakdown of NAV per open/closed-ended status



Number of open/closed-ended AIFs



Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

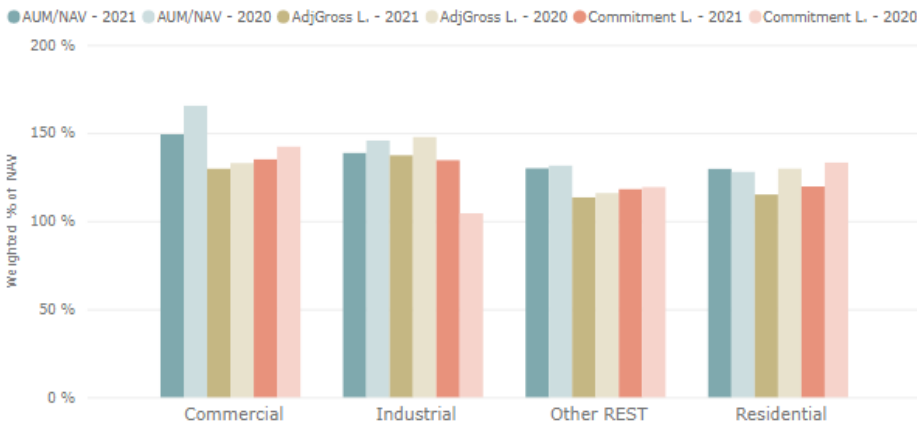


4. Risk monitoring by main investment strategies

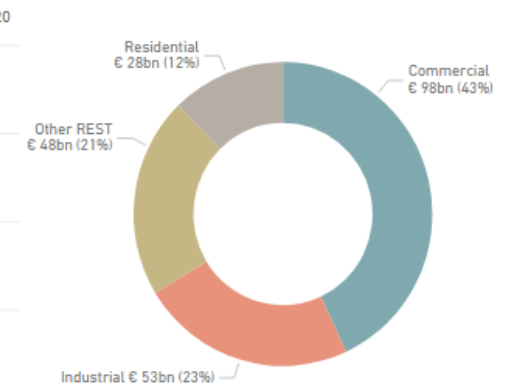
4.1 Real Estate AIFs

4.1.1 NAV and Leverage by predominant Sub Strategy

Leverage by AIF Sub Strategy



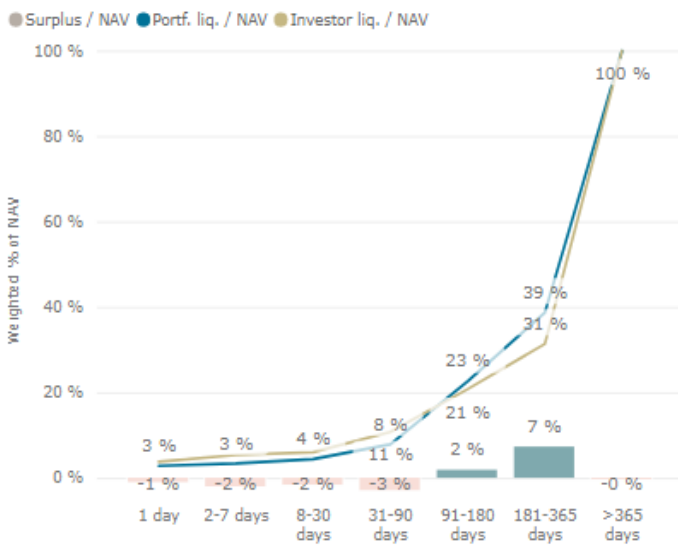
NAV by Sub-strategy



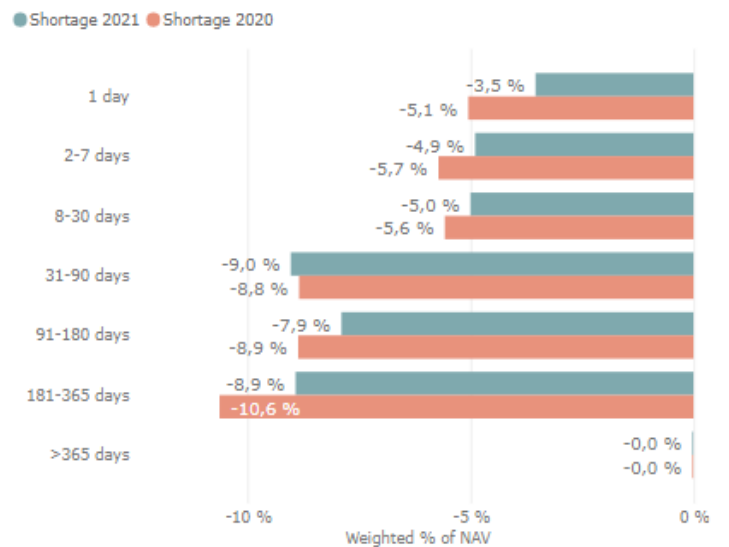
Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

4.1.2 Liquidity profile

Liquidity surplus by AIF strategy



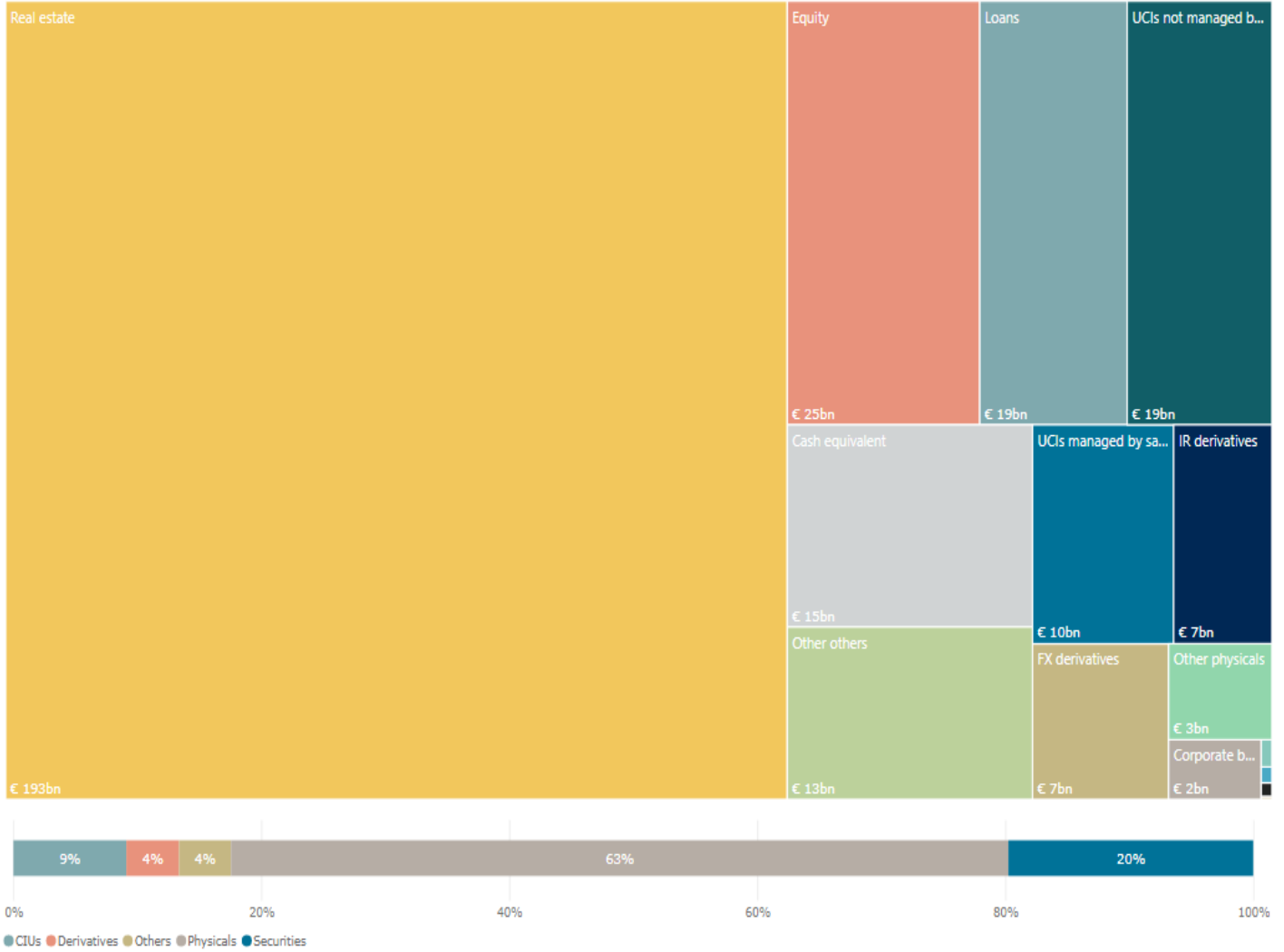
Liquidity shortage by AIF strategy



Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

4.1.3 Main Sub Asset exposures (in EUR)

Individual Exposures (long and short)



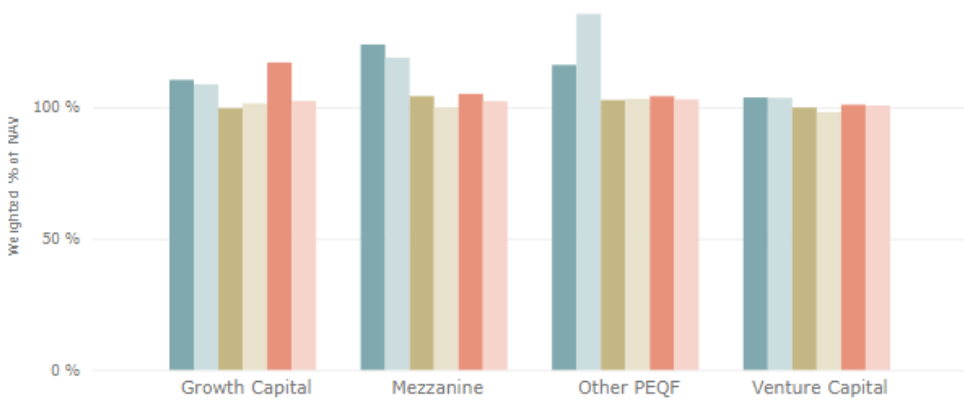
Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

4.2 Private Equity AIFs

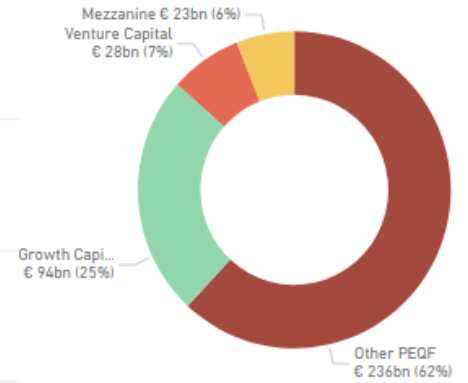
4.2.1 NAV and Leverage by predominant Sub Strategy

Leverage by AIF Sub Strategy

● AUM/NAV - 2021 ● AUM/NAV - 2020 ● AdjGross L. - 2021 ● AdjGross L. - 2020 ● Commitment L. - 2021 ● Commitment L. - 2020



NAV by Sub-strategy

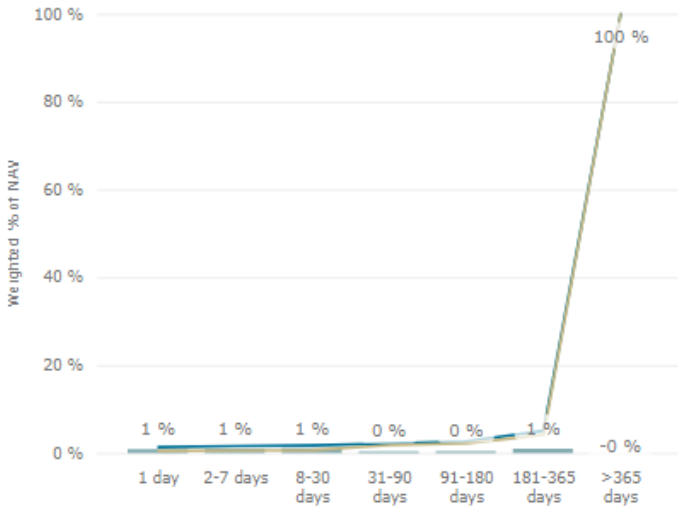


Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

4.2.2 Liquidity profile

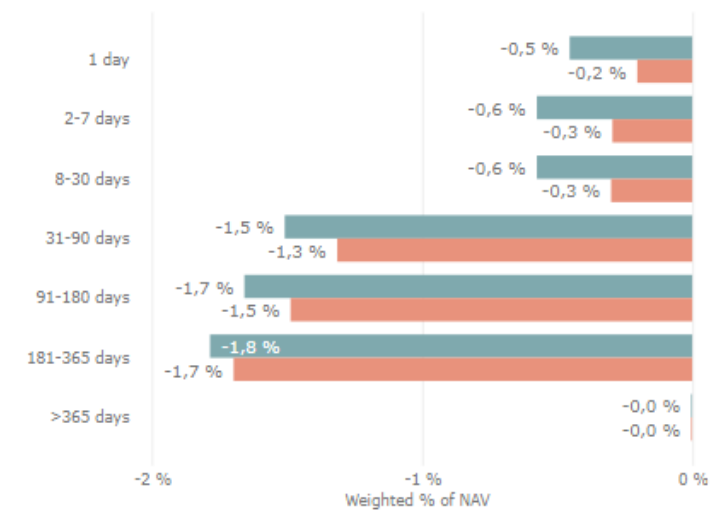
Liquidity surplus by AIF strategy

● Surplus / NAV ● Portf. liq. / NAV ● Investor liq. / NAV



Liquidity shortage by AIF strategy

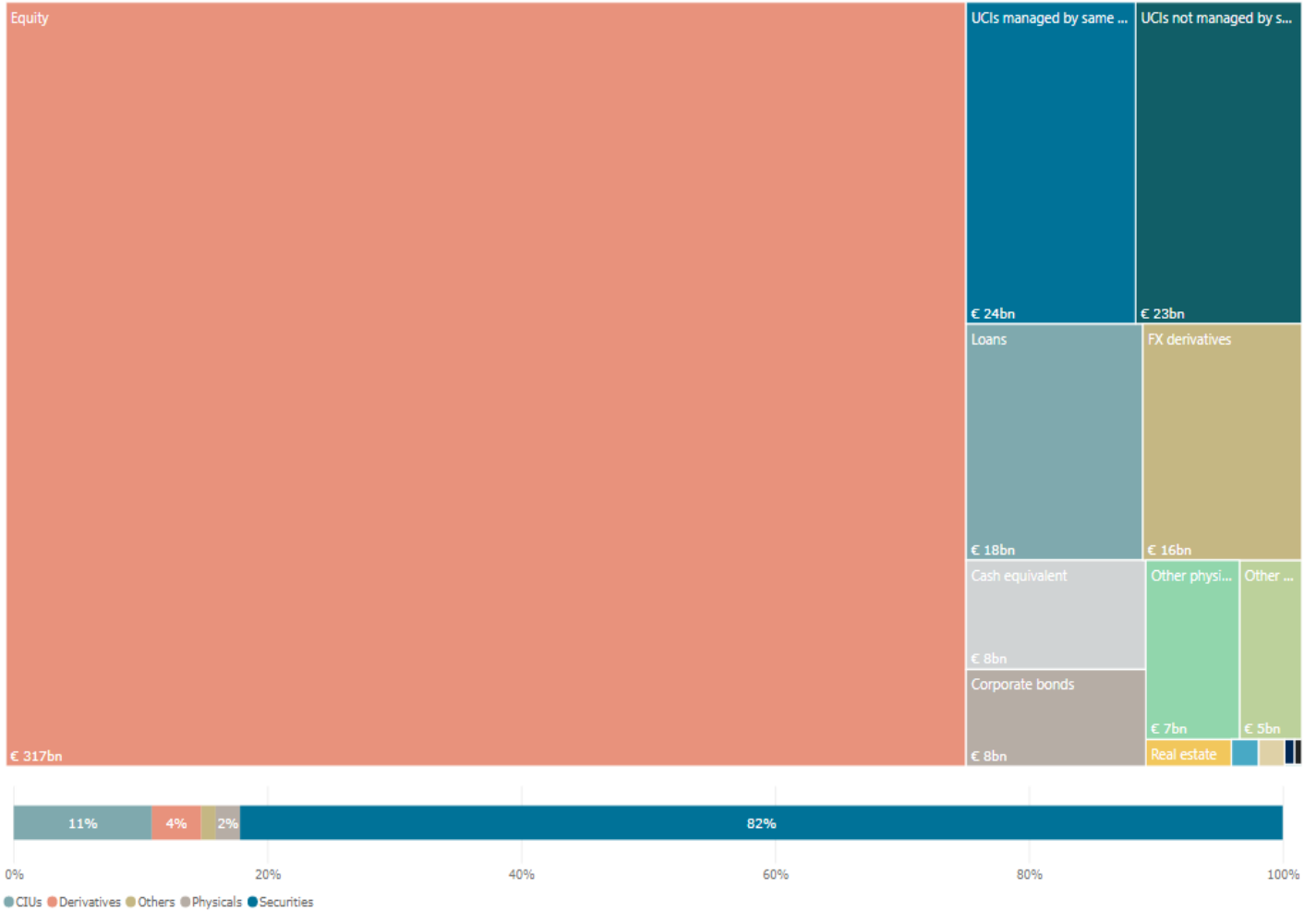
● Shortage 2021 ● Shortage 2020



Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

4.2.3 Main Sub Asset exposures (in EUR)

Individual Exposures (long and short)

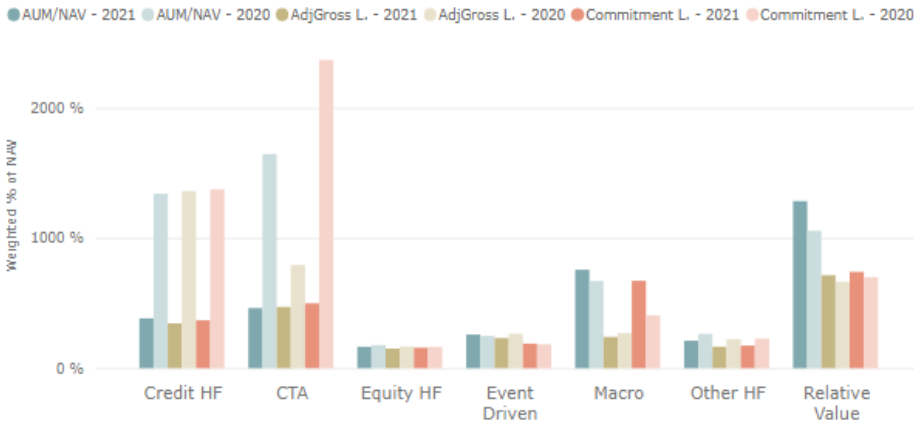


Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

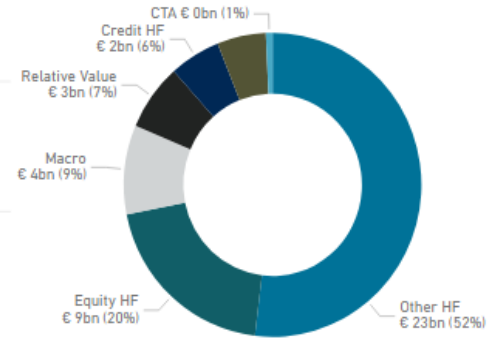
4.3 Hedge funds

4.3.1 NAV and Leverage by predominant Sub Strategy

Leverage by AIF Sub Strategy



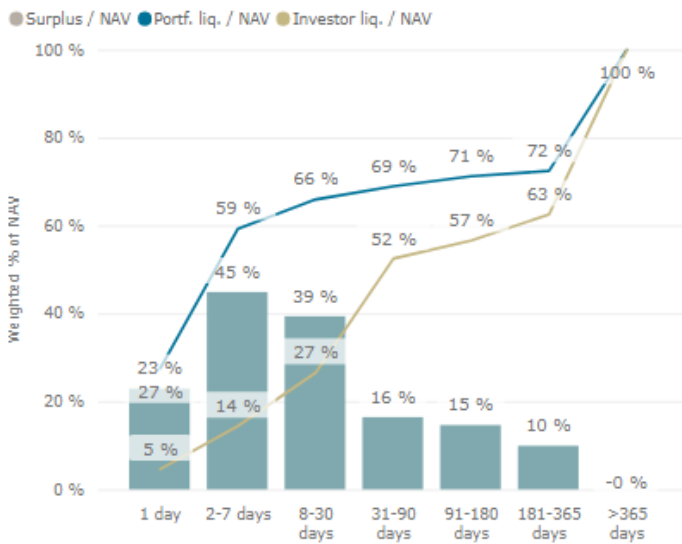
NAV by Sub-strategy



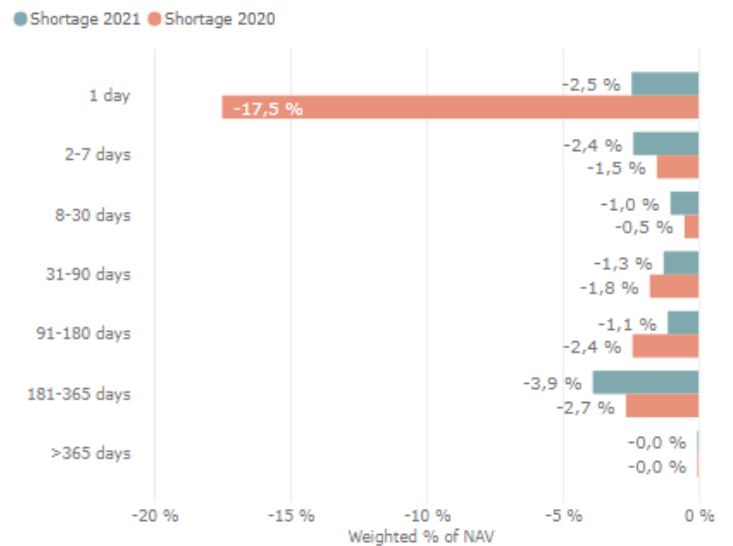
Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

4.3.2 Liquidity profile

Liquidity surplus by AIF strategy



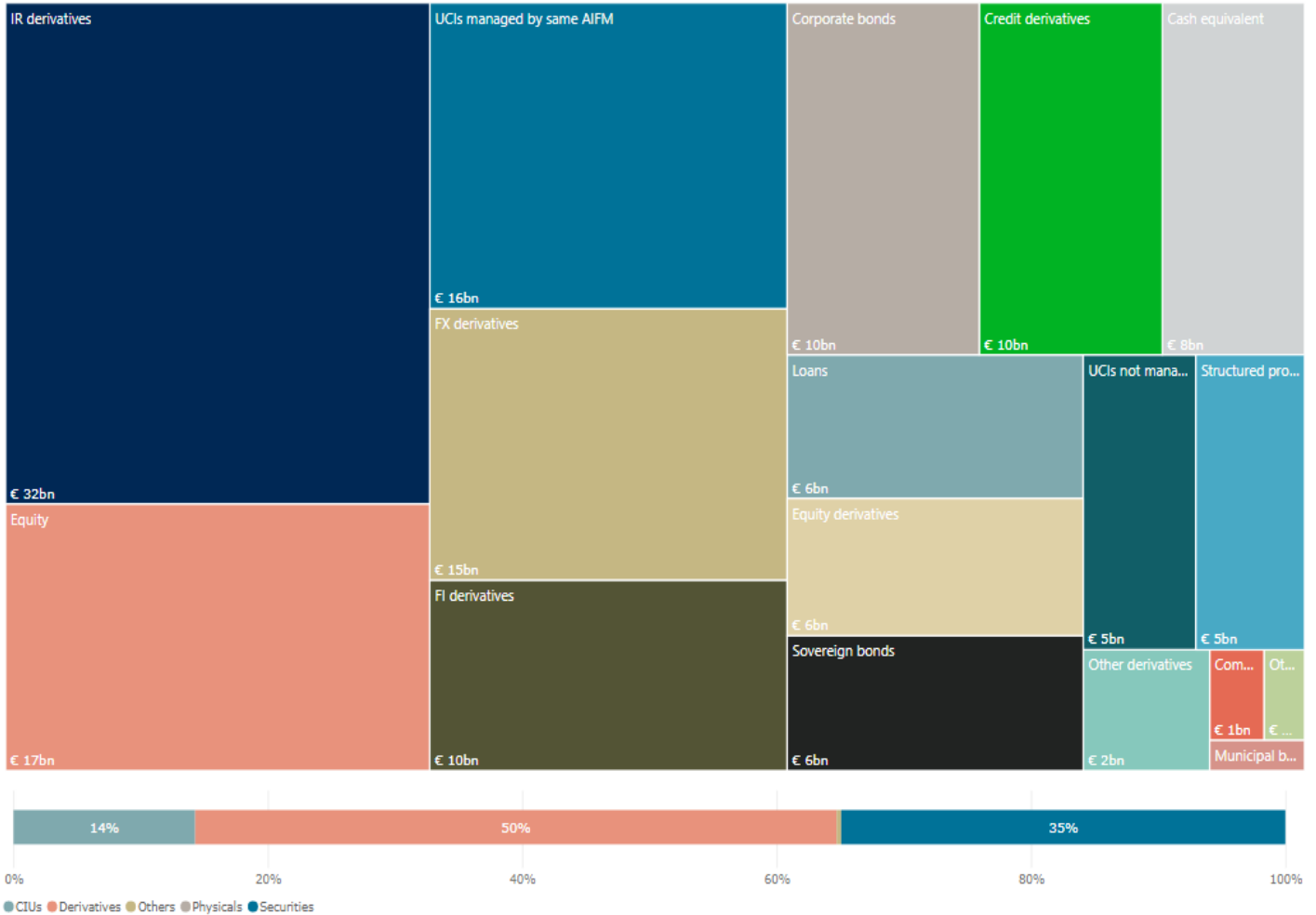
Liquidity shortage by AIF strategy



Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

4.3.3 Main Sub Asset exposures (in EUR)

Individual Exposures (long and short)



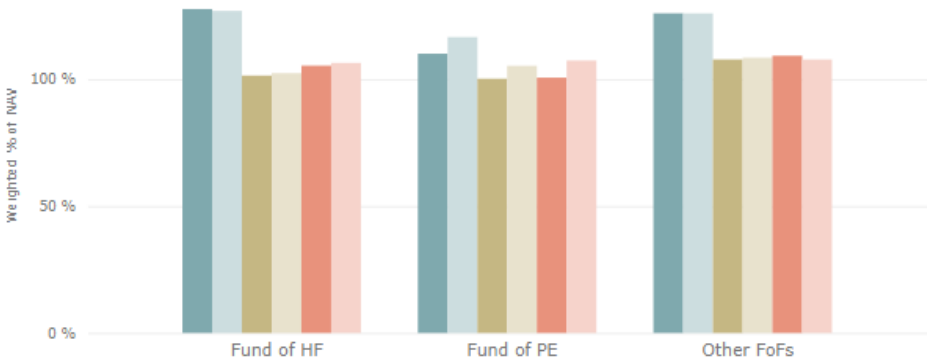
Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

4.4 Funds of funds

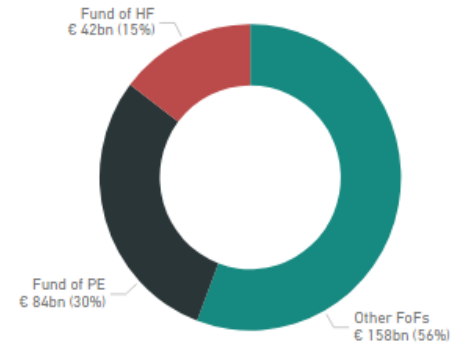
4.4.1 NAV and Leverage by predominant Sub Strategy

Leverage by AIF Sub Strategy

● AUM/NAV - 2021 ● AUM/NAV - 2020 ● AdjGross L. - 2021 ● AdjGross L. - 2020 ● Commitment L. - 2021 ● Commitment L. - 2020



NAV by Sub-strategy

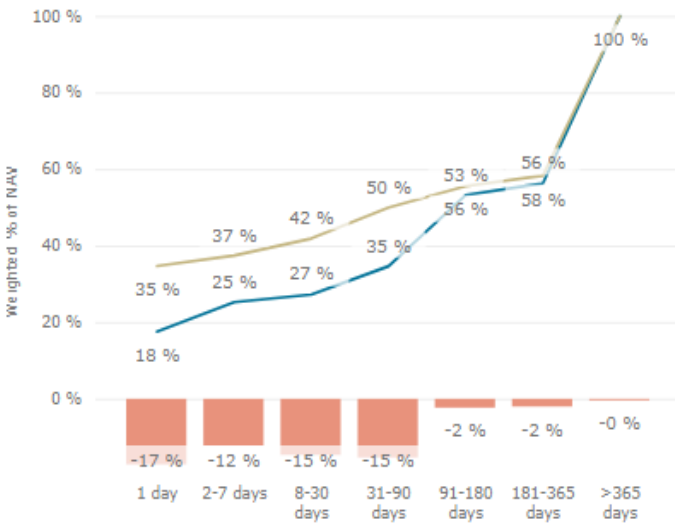


Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

4.4.2 Liquidity profile

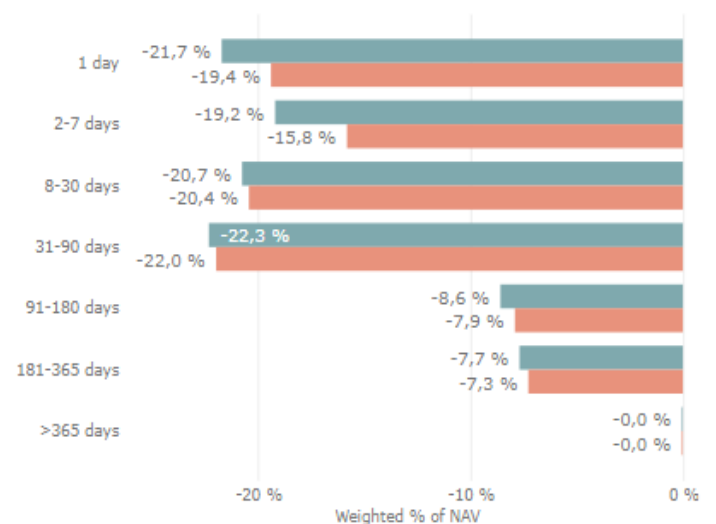
Liquidity surplus by AIF strategy

● Surplus / NAV ● Portf. liq. / NAV ● Investor liq. / NAV



Liquidity shortage by AIF strategy

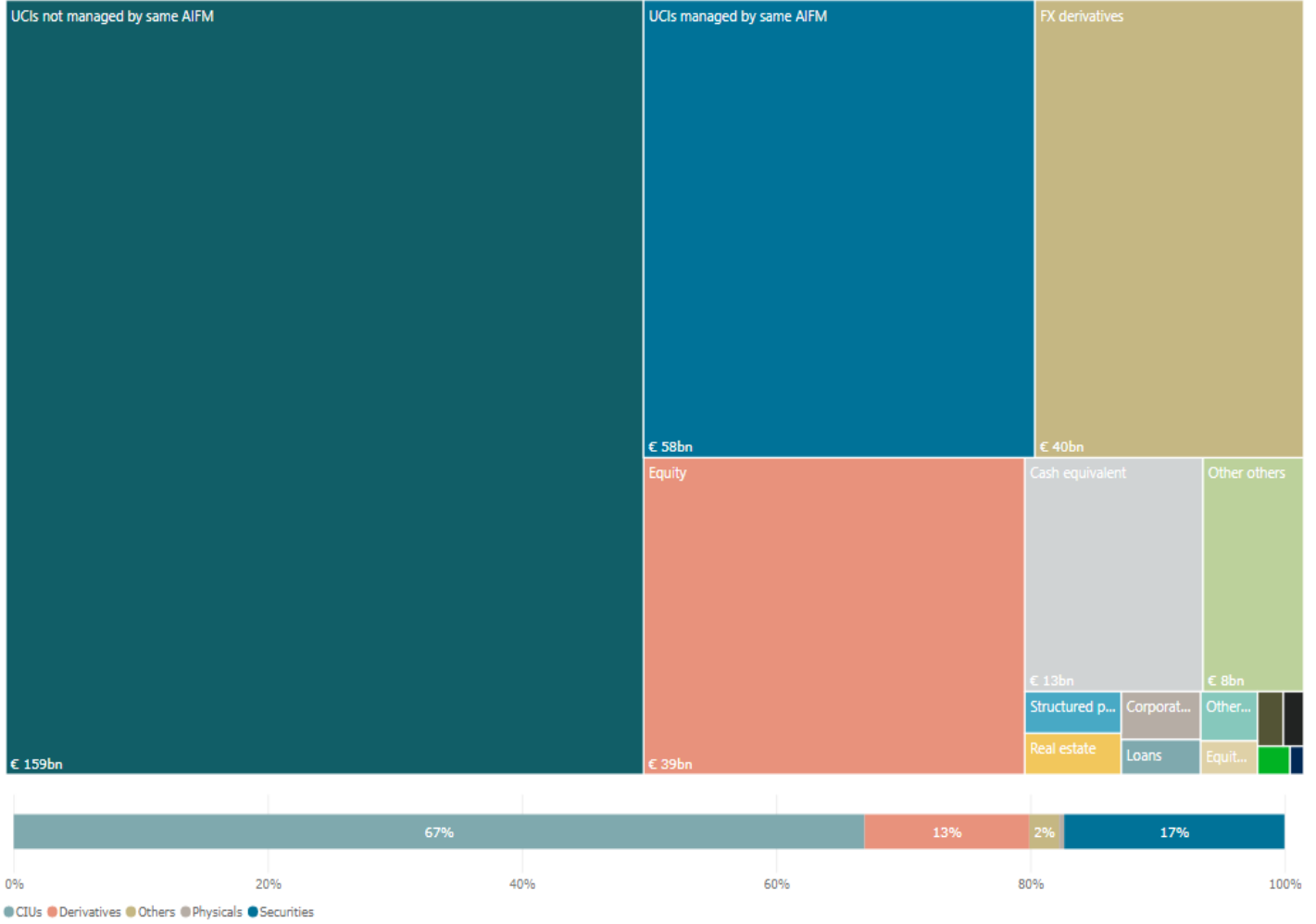
● Shortage 2021 ● Shortage 2020



Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

4.4.3 Main Sub Asset exposures (in EUR)

Individual Exposures (long and short)

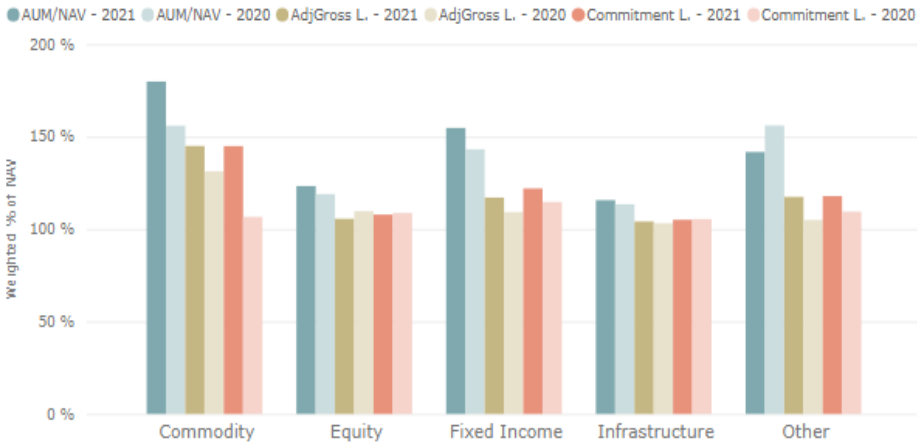


Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

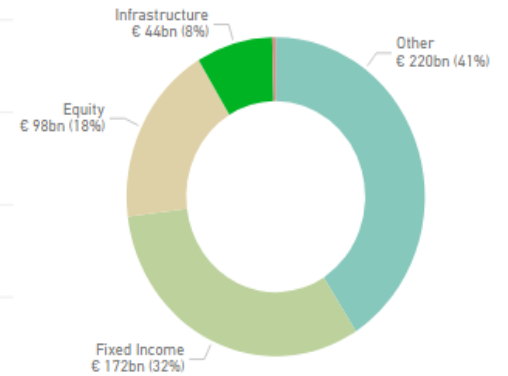
4.5 Other AIFs

4.5.1 NAV and Leverage by predominant Sub Strategy

Leverage by AIF Sub Strategy



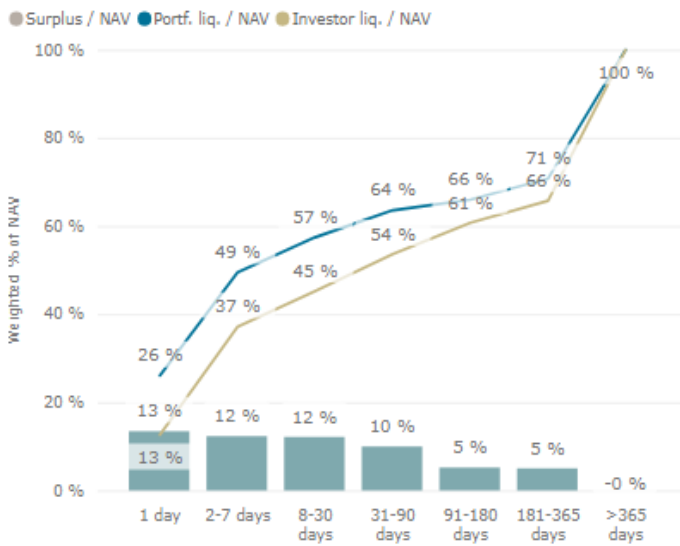
NAV by Sub-strategy



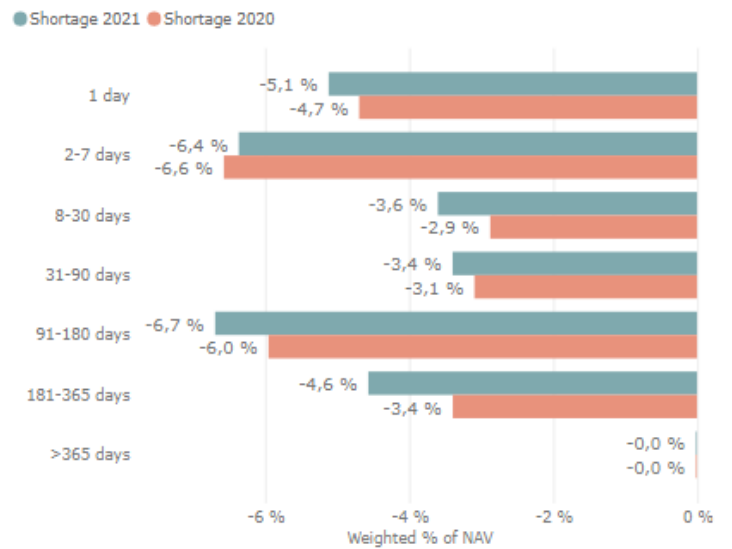
Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

4.5.2 Liquidity profile

Liquidity surplus by AIF strategy



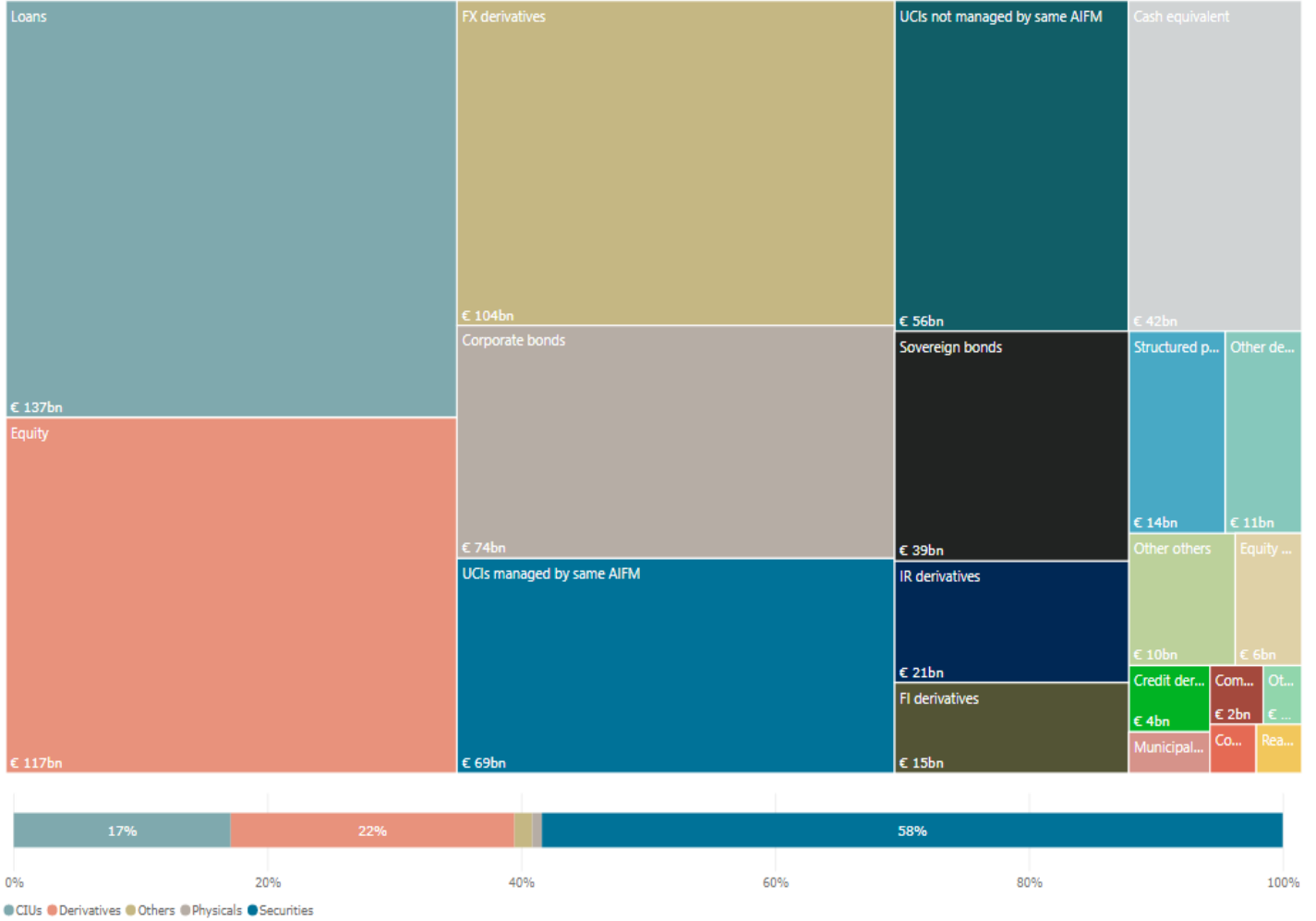
Liquidity shortage by AIF strategy



Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

4.5.3 Main Sub Asset exposures (in EUR)

Individual Exposures (long and short)



Source: AIFMD data as at 31.12.21 from all LU AUT AIFMs

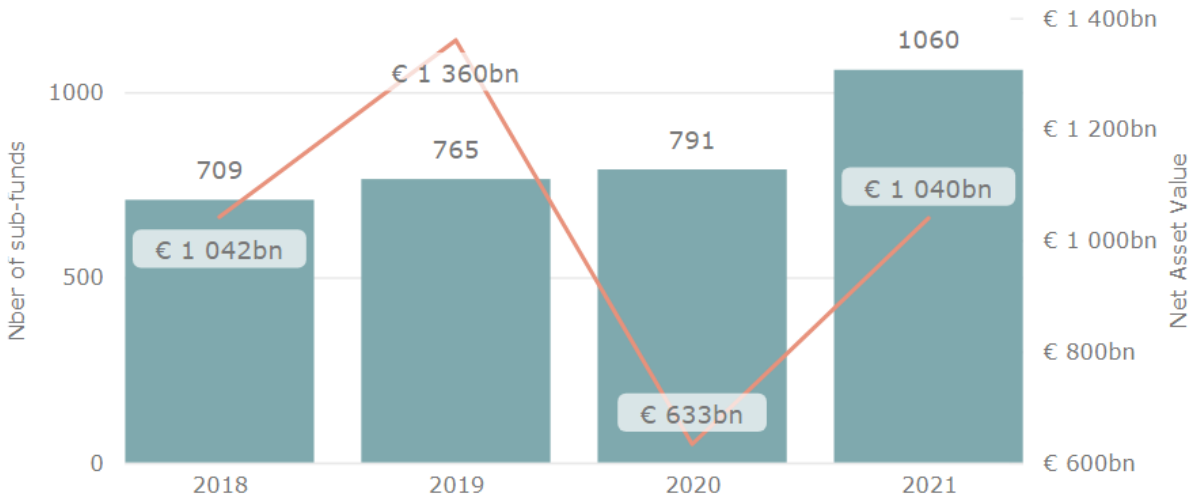
5. Non-EU AIFMs in Luxembourg (NPPR)

5.1 Market Overview

5.1.1 LU NPPR market trend

Evolution of LU AIFs Market

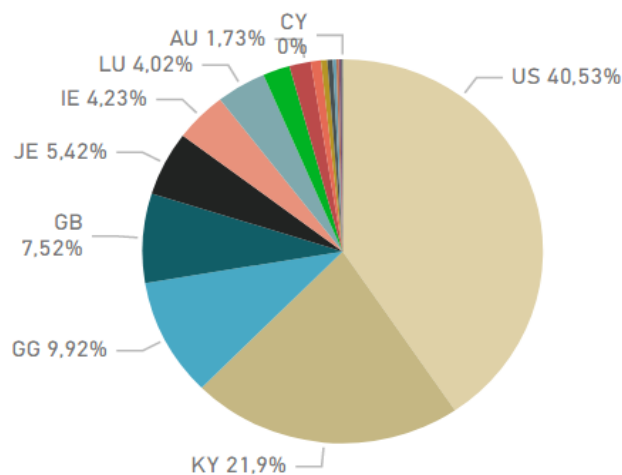
● Nber of sub-funds ● NAV in EUR



Source: AIFMD data as at 31.12.21 from all Non-EU AIFM under LU Private Placement Regime

5.1.2 LU NPPR AIF's domicile

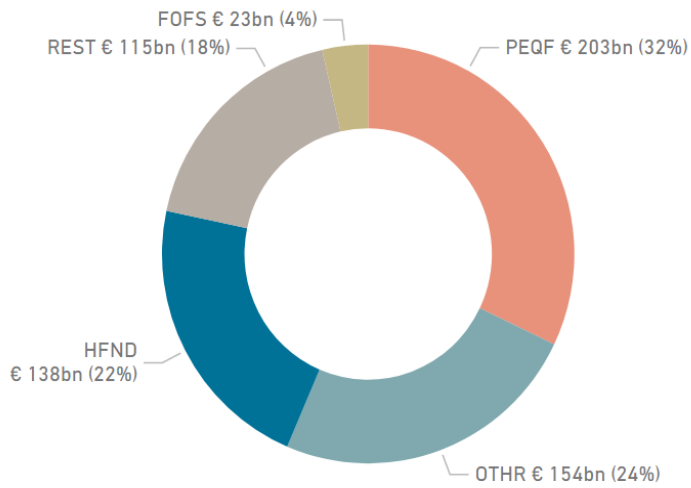
Breakdown of LU NPPR AIF per domicile (%NAV)



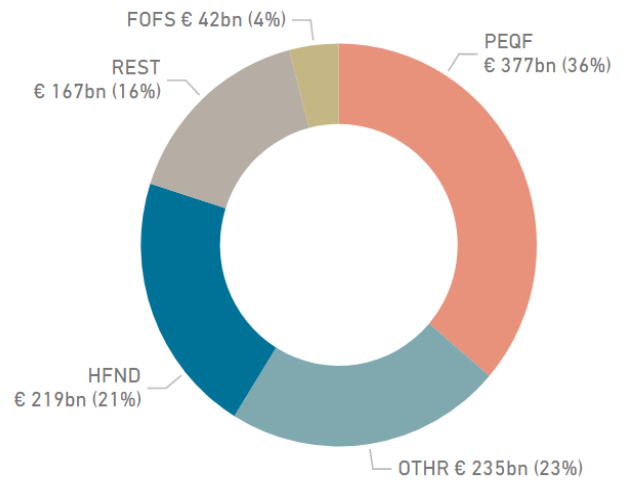
Source: AIFMD data as at 31.12.21 from all Non-EU AIFM under LU Private Placement Regime

5.1.3 Breakdown of LU NPPR AIFs per Strategy in 2020 and 2021

Total NAV by Strategy (2020)



Total NAV by Strategy (2021)



Source: AIFMD data as at 31.12.21 from all Non-EU AIFM under LU Private Placement Regime

6. List of abbreviations

AIFMD	Alternative Investment Funds Managers Directive
AUT AIFMs	Authorised Alternative Investment Funds Managers
AUM	Asset Under Management
EEA	European Economic Area
FOFS	Funds of Funds
HFND	Hedge Funds
LMT	Liquidity Management Tools (e.g. notice period, gating/deferral)
LU AIFMs	Alternative Investment Funds Managers domiciled in Luxembourg
LU AIFs	Alternative Investment Funds based in Luxembourg
NAV	Net Asset Value
NCA	National Competent Authority
NONE	AIF type where the investment strategy of the AIF does not permit a predominant AIF type to be identified
Non-LU AIFs	Alternative Investment Funds not based in Luxembourg
NPPR	National Private Placement Regime
OTHR	Other AIFs
PEQF	Private Equity Funds
REG AIFMs	Registered Alternative Investment Funds Managers
REST	Real Estate Funds
SPV	Special Purpose Vehicle



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