







The Compartment aims to provide long-term capital growth through a tactical and dynamic allocation portfolio.  
 fLAB Satellite tries to maximize Sharpe Ratio (Relative Return), through a multi style, multi class portfolio.

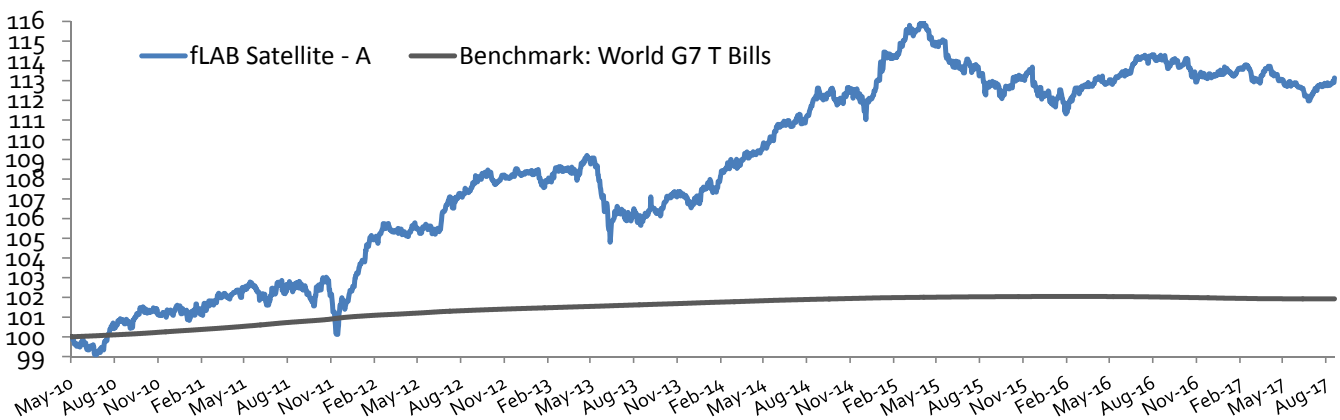
Net assets €: **11.49 M**

August 31, 2017

|   | share | NAV    | ytd    | ISIN         | inception | Mg Fee | 2016   | 2015   | 2014  | 2013   | 2012  | 2011  | 2010  |
|---|-------|--------|--------|--------------|-----------|--------|--------|--------|-------|--------|-------|-------|-------|
|  eur Institutional | A EUR | 113.13 | -0.16% | LU0415025179 | may '10   | 0.66%  | 0.92%  | 0.03%  | 4.99% | -1.36% | 5.71% | 1.35% | 1.17% |
|  eur platform      | C EUR | 99.29  | -0.34% | LU1353746958 | jun '16   | 0.91%  | -0.37% |        |       |        |       |       |       |
|  eur               | B EUR | 107.61 | -0.52% | LU0415027464 | dec '10   | 1.16%  | 0.43%  | -0.65% | 4.38% | -1.85% | 4.89% | 0.90% | 0.02% |
|  usd \$ hedged     | H-USD | 105.67 | 0.72%  | LU0847086740 | dec '12   | 0.91%  | 1.68%  | -0.21% | 4.73% | -1.57% | 0.32% |       |       |
|  sterl. £ hedged   | H-GBP | 100.00 | tbd    | LU1353747097 | tbd       | 0.91%  | 0.00%  |        |       |        |       |       |       |
|  sing \$ hedged    | H-SGD | 106.67 | 0.53%  | LU0847086666 | dec '12   | 0.91%  | 2.07%  | 0.63%  | 4.61% | -1.51% | 0.28% |       |       |

fLAB Satellite-A Performance since 2010

|      |      |      |       |      |      |      |       |                                       |
|------|------|------|-------|------|------|------|-------|---------------------------------------|
| '10  | '11  | '12  | '13   | '14  | '15  | '16  | '17   | Annual Yield Since Inception<br>1.70% |
| 1.17 | 1.35 | 5.71 | -1.36 | 4.99 | 0.03 | 0.92 | -0.16 |                                       |



Minimum Sharpe Ratio Target = **0.33** Real Sharpe Ratio 3yr **0.25** 5yr **0.51**

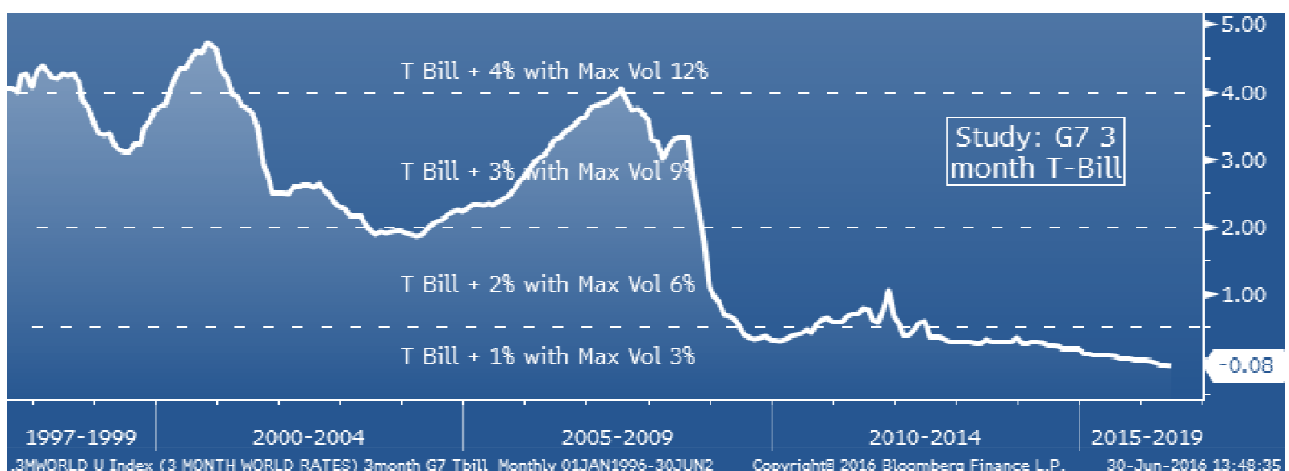
We use Risk-Free Rate of Return as our Benchmark. This is a theoretical interest rate that would be returned on an investment that is COMPLETELY free of risk. The basket of G7 Government 3 Months Treasury Bills is our tool.

We take the data provided by Bloomberg and create the average: US+Can+Jap+UK+Ger+Fr+Ita

|                                |         |       |       |      |                            |
|--------------------------------|---------|-------|-------|------|----------------------------|
| When G7 3Months Treasury Bills | < 0.50% | 0.50% | 2.00% | > 4% | G7 3Month T Bill<br>0.006% |
| Target over G7 T Bills         | +1      | +2    | +3    | +4   |                            |
| Maximum Volatility             | 3%      | 6%    | 9%    | 12%  |                            |

We cannot say you will get T Bills + 3%, under any level of risk free rate. We have to adapt the target dynamically. That's why we change the excess return we want to obtain over T Bills while we adapt different levels of maximum accepted volatility. The minimum projected long-term Sharpe Ratio will be always of 0.33

0.33 Sharpe Ratio Study: desirable excess return above T-Bills (adapting volatility vs.free risk rate) over the last 20 yr



## Technical information

**Currency:** EUR **Minimal Subscription:** 1 Million € (A Institutional Share Class) 10€ (all others). All dividends and investment revenues are capitalized.  
**Management fee:** 0.66% (A share) 1.16% (B share) 0.91% (C share & All Hedged)  
**Performance fee:** a percentage of the annual performance of the compartment 5% (A share), 10% (B share), 7.5% (C share & All Hedged) with high watermark  
**Subscription & Redemption Fee:** 0%  
**Share classes TER (2015):** A 1.21%; B 1.75%; C & All Hedged 1.50%

## Legal Structure

**Management Company:** Casa4Funds  
**Custodian Bank:** Banque et Caisse d'Epargne de L'Etat Luxembourg (BCEE:Aa2/AA+)  
**Investment Advisor:** Market LAB Luxembourg sarl  
**Transfer & Paying Agent:** EFA, European Fund Administration  
**Auditor:** Ernst & Young **Regulator:** CSSF  
**Net Asset Value, Reporting & Liquidity:** daily

### 1 year Correlation Matrix: fLAB Satellite vs:

| MSCI World | World Gov Bond Agg | World Inv Grade | World High Yield | Euro/USD | Commodity Index | Gold Spot | Hedge F Index | fLAB CORE |
|------------|--------------------|-----------------|------------------|----------|-----------------|-----------|---------------|-----------|
| 0.34       | 0.58               | 0.41            | 0.39             | -0.13    | 0.29            | 0.26      | 0.25          | 0.55      |

### Portfolio Top 30

|  |     |        |
|--|-----|--------|
| Amundi ETF Float Rate Eur Corp 1-3 UCITS Dist      | EUR | 7.95 % |
| iShares EUR Ultrashort Bond UCITS ETF Dist         | EUR | 6.99 % |
| Amundi ETF FloatRateUSD Corp UCITS Hedged          | EUR | 5.70 % |
| Santander Intl Debt SA 4% EMTN 13/24.01.20         | EUR | 4.88 % |
| Lyxor UCITS ETF EMTS 5-7Y IGDR                     | EUR | 4.83 % |
| BBVA Senior Finance 2.375% EMTN 14/22.01.19        | EUR | 4.56 % |
| SPDR Thomson Global Convert. Bond UCITS ETF        | EUR | 4.35 % |
| DB ETC Physical Gold Euro Hedged                   | EUR | 4.17 % |
| Deutsche Bank SAE 1.125 1/2023                     | EUR | 3.64 % |
| iShares Euro Corp Bond exFinancial EUR 1-5         | EUR | 3.57 % |
| db Iboxx Eur Sovereign 1-3                         | EUR | 3.49 % |
| UBS GroupFunding 1.75 11/22                        | EUR | 2.80 % |
| BAIC Inalfa HK Investment 1.9% 02.11.20            | EUR | 2.73 % |
| db x-trackers Iboxx Euro High Yield 1-3 UCITS ETF  | EUR | 2.59 % |
| PIMCO Low Duration US Corp Bond UCITS ETF          | USD | 2.27 % |
| ETFS Euro Hedged Industrial Metal ETC              | EUR | 2.25 % |
| RCI Banque FRN EMTN Sen 14/27.11.17                | EUR | 2.18 % |
| iShares Edge MSCI World Min Volatility Eur Hedged  | EUR | 2.04 % |
| BPCE SA 2% EMTN Sen 12/24.04.18                    | EUR | 1.78 % |
| Longer Dated All Commodities Go UCITS ETF          | USD | 1.62 % |
| iShares III Plc EUR Covered Bond UCITS ETF Dist    | EUR | 1.62 % |
| db x-trackers DBLCL-OY Balanced UCITS ETF Cap      | EUR | 1.46 % |
| SPDR Multi Asset Global Infrastructure UCITS ETF   | EUR | 1.41 % |
| iShares USD Short Dur High Yield Corp UCITS ETF    | EUR | 1.39 % |
| Lyxor UCITS Euro MTS Inflation InvG ETF            | EUR | 1.30 % |
| db x-trackers II iTraxx Crossover Ucits ETF 1C Cap | EUR | 1.19 % |
| iShares II Global Water UCITS ETF Dist             | EUR | 1.14 % |
| PowerShares Global Buyback Achievers UCITS ETF     | USD | 0.95 % |
| db x-trackers Harvest CSI300 Index UCITS ETF       | EUR | 0.93 % |
| Wells Fargo & Co FRN EMTN Reg 15/02.06.20          | EUR | 0.88 % |

### Asset Allocation

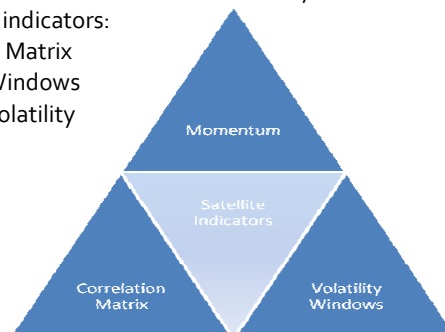
|                     |               |                     |               |
|---------------------|---------------|---------------------|---------------|
| <b>Fixed Income</b> | <b>73,35%</b> | <b>Liquidity</b>    | <b>9,97%</b>  |
| Govies              | 9,46%         | Cash                | 9,97%         |
| Inflation Bds       | 1,29%         | Depo Aa2/AA+        | 0,00%         |
| Fixed Inv Grade     | 28,35%        | <b>Other Assets</b> | <b>16,68%</b> |
| Floating Inv Grade  | 16,65%        | MultiStrategy       | 7,11%         |
| Covered Bonds       | 5,22%         | Listed Private Eq   | 0,00%         |
| Convertible Bonds   | 4,35%         | Curve Strategies    | 0,00%         |
| Emerg. Mkt Bonds    | 3,51%         | Commodity Index     | 9,57%         |
| High Yield          | 4,52%         |                     |               |

**Duration:** fixed income: 2.49 total portfolio: 1.83  
**Currency :** 84% EUR; 16% USD (fully hedged)  
**Volatility :** 90 day 1.05% ; 1 year 1.36%  
**VAR** 1 month, 99% conf - 3yr hist data : 1.09%

### fLAB Satellite Indicators

fLAB internal model for asset allocation is dynamic and uses 3 tactical indicators:

- 1) **Correlation** Matrix
- 2) **Volatility** Windows of accepted volatility
- 3) Short term **Momentum**



### fLAB Satellite Asset Universe

The model runs through different assets. The heart of the Satellite is a Fixed Income Portfolio + Overlay of decorrelated ETFs  
**Fixed Income** (Government Bonds, Investment Grade, High Yield, Covered Bonds, Munis, Inflation Bonds, Convertible Bonds)  
**ETF Overlay:** Currency Strategies, Commodities, Listed Private Equity Preferred Shares, Multistrategy...

## LIPPER LEADERS

May 2010 to Dec 2016

fLAB Satellite

Absolute Return Low

Total  
Return

5

Consistent  
Return

5

Preservation

5

Expense  
Ratio

2



*Disclaimer: This Fund is authorised in the Grand Duchy of Luxembourg and regulated by the "Commission de Surveillance du Secteur Financier" (CSSF). The historical performance graph, Sharpe Ratio, Correlation, Volatility and VAR are calculated using the oldest share class: fLAB Satellite A. Inception was in May 2010, under a SIF structure. In February 2016 it was converted into a full UCITS structure. SIF legal frame is not applicable anymore as the investments restriction and policies were amended to a UCITS framework in Feb 2016*